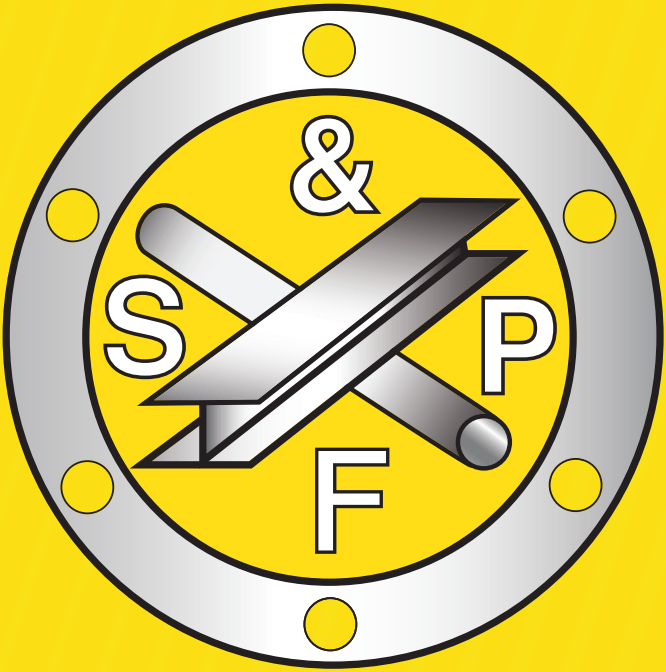
POCKET MANUAL



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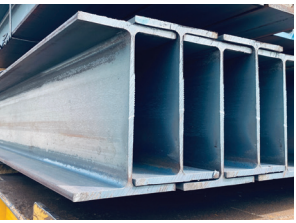
STEEL SERVICE CENTER



DELIVERING STRENGTH, PRECISION AND QUALITY.

Our dedicated team of experts is committed to providing you with top-notch steel products and services. Whether you require cut to size, bend to size, rapid delivery, or comprehensive steel solutions, we are your trusted partner in the Sunshine State. Count on us to support your projects with the finest steel materials and unmatched expertise. Your success is our priority at any of our Steel Service Centers, Miami or Orlando.

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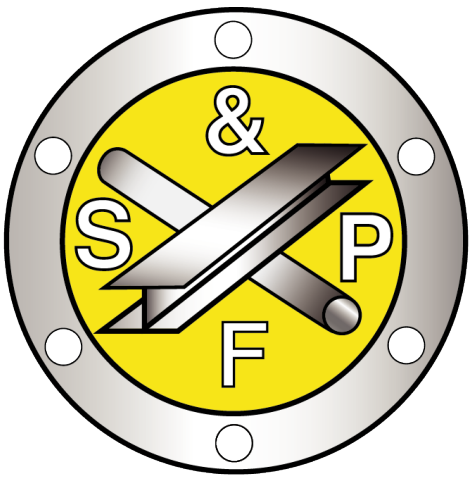

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POCKET MANUAL

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Revision May 2025

ABOUT US

Steel and Pipes of Florida, LLC was founded in 2015 to meet the high demand for premium steel and construction materials across the United States. Starting with a 45,000 sq. ft. facility in Miami, complemented by an addition-al acre of outdoor storage, we set a strong foun-dation to serve contractors, developers, and clients with the quality and reliability that drive successful projects.

We have recently expanded our reach with the addition of a new Steel Service Center in Orlando, reinforcing our commitment to accessible, top-tier service throughout the region.

As we continue to expand our national presence, we remain committed to excellence and are actively pursuing opportunities to enhance our service capabilities. We look forward to future developments that will further solidify our position as a preferred partner in the construction and steel markets across the nation.

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Steel and Pipes

Dear Client:

We are pleased to present you The Pocket Manual of Steel & Pipes. In it, you'll find everything you need for your fabrication and welding needs. Also, you'll find size, descriptions and guide to all our selection of materials, equipment and accesories.

The Pocket Manual is small in size, so you can carry it everywhere you go. Also, it features contact information to our main office, all our branches and our Internet URL addresses and e-mail.

We hope this Pocket Manual will make easy the journey to our selections. So enjoy it!

- Structural Steel & Aluminium Products
- Galvanized Gratings
- Corten Steel and Abrasive Plates
- Perforated Metal Panels
- Stainless Steel Products
- Ornamental Design, Cast Iron, Cast Alimunium & Forge Steel
- Welding Products
- Miscellaneous Metal Fabrication
- CNC Plasma Plate Processing

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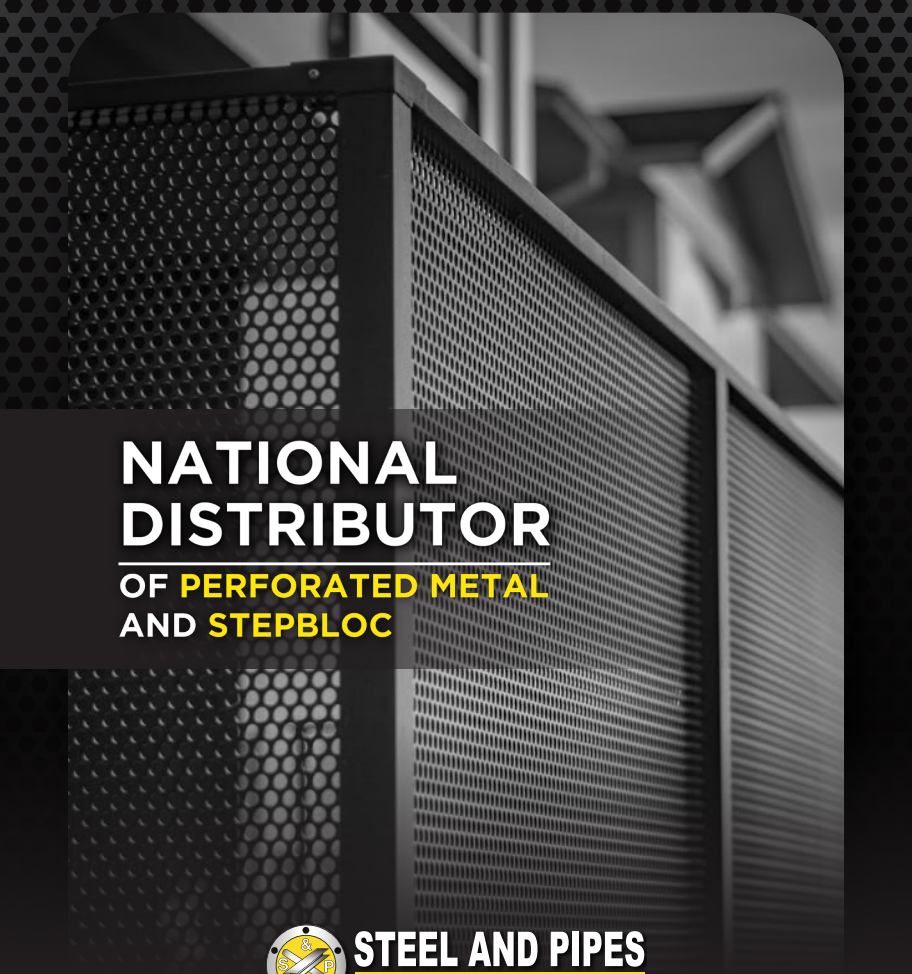
PERFORATED METAL PANELS



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AND **STEPBLOC**

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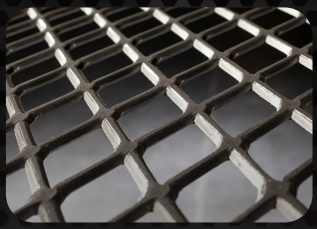

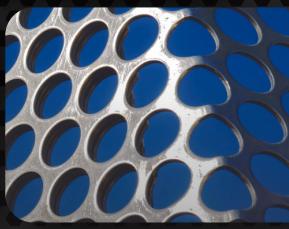

ROUND HOLE • SQUARE HOLE
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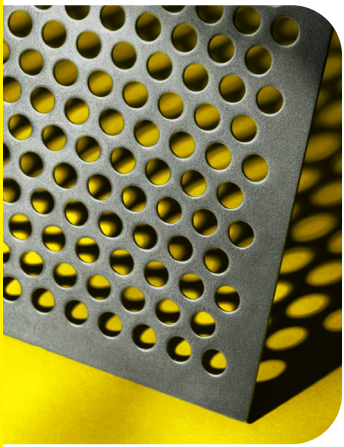
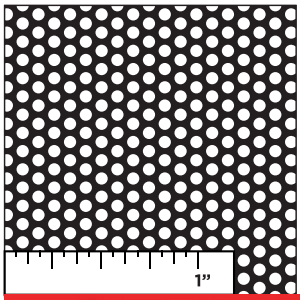
ROUND HOLE PERFORATED PANEL

Expertly crafted to suit a diverse range of applications. Whether you need to control airflow, manage light levels, regulate water, or enhance sound quality, our versatile perforated metal panels provide the perfect balance of functionality and aesthetics. Elevate your projects with precision-engineered materials designed to deliver exceptional performance and durability.



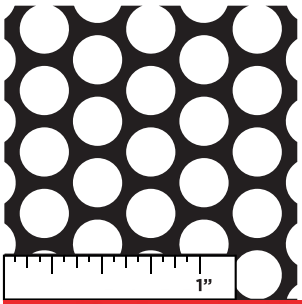


40% OPEN AREA

1/16” RD x 3/32” STG

GAUGE	MATERIAL OPTIONS
22	• STAINLESS STEEL 304 • ALUMINUM 3003-H14
24	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”

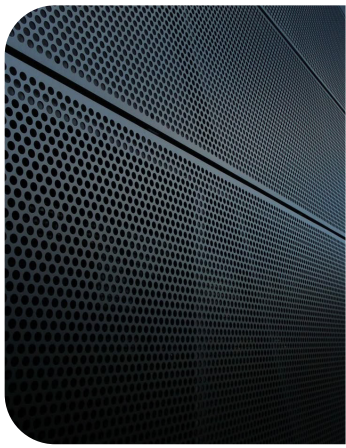


58% OPEN AREA

1/4” RD x 5/16” STG

GAUGE	MATERIAL OPTIONS
16	• STAINLESS STEEL 304 • ALUMINUM 3003-H14
20	• PRE-GALVANIZED G-90 • ALUMINUM 3003-H14

48” X 120”



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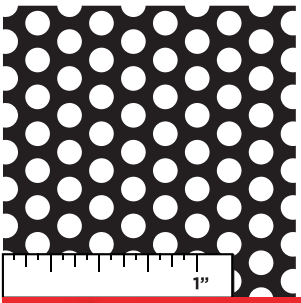
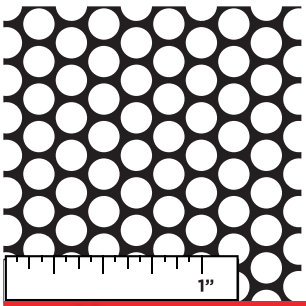


40% OPEN AREA

1/8” RD x 3/16” STG

GAUGE	MATERIAL OPTIONS
11	• CARBON STEEL COLD ROLLED • STAINLESS STEEL 304 • ALUMINUM 3003-H14
14	• CARBON STEEL COLD ROLLED • STAINLESS STEEL 304 • ALUMINUM 3003-H14
16	• CARBON STEEL COLD ROLLED • STAINLESS STEEL 304 • ALUMINUM 3003-H14 • PRE-GALVANIZED G-90
18	• CARBON STEEL COLD ROLLED • STAINLESS STEEL 304 • ALUMINUM 3003-H14
20	• PRE-GALVANIZED G-90 • ALUMINUM

48” X 120”

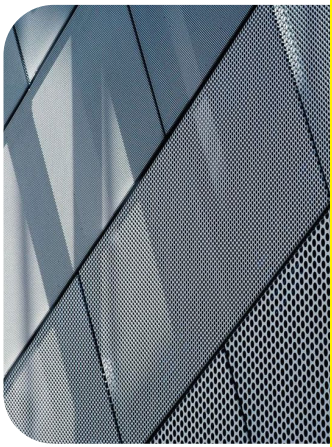


63% OPEN AREA

5/32” RD x 3/16” STG

GAUGE	MATERIAL OPTIONS
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
18	• STAINLESS STEEL 304 • ALUMINUM 3003-H14
22	• PRE-GALVANIZED G-90 • ALUMINUM 3003-H14

48” X 120”



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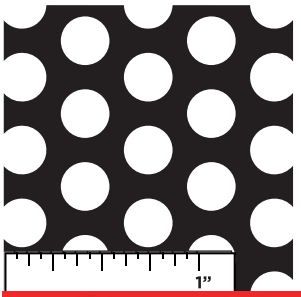
Round Hole Perforated Metal Panels

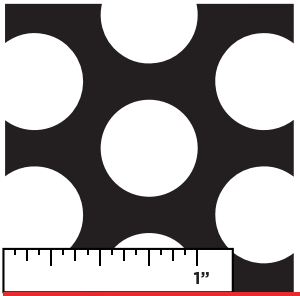


40% OPEN AREA

1/4” RD x 3/8” STG

GAUGE	MATERIAL OPTIONS
1/4”	• CARBON STEEL HRPO • ALUMINUM 3003-H14
3/16”	• CARBON STEEL HRPO • ALUMINUM 3003-H14
11	• CARBON STEEL HRPO • STAINLESS STEEL 304 • ALUMINUM 3003-H14 • CARBON STEEL COLD ROLLED
14	• STAINLESS STEEL 304 • ALUMINUM 3003-H14
16	• CARBON STEEL COLD ROLLED • STAINLESS STEEL 304 • ALUMINUM 3003-H14

48” X 120”



48% OPEN AREA

1/2” RD x 11/16” STG

GAUGE	MATERIAL OPTIONS
11	• CARBON STEEL COLD ROLLED • CARBON STEEL HRPO • ALUMINUM 3003-H14
14	• CARBON STEEL COLD ROLLED • CARBON STEEL HRPO • ALUMINUM 3003-H14
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
18	• CARBON STEEL COLD ROLLED • CARBON STEEL HRPO • ALUMINUM 3003-H14 • PRE-GALVANIZED G-90
20	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”

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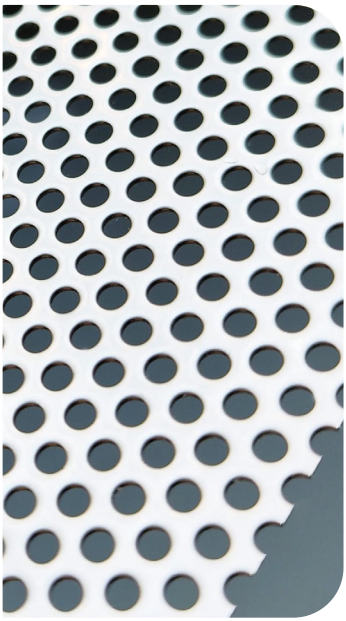
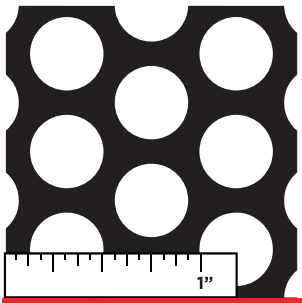


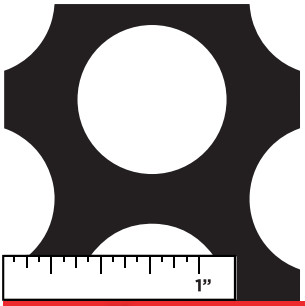


51% OPEN AREA

3/8” RD x 1/2” STG

GAUGE	MATERIAL OPTIONS
1/4”	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
11	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
14	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”

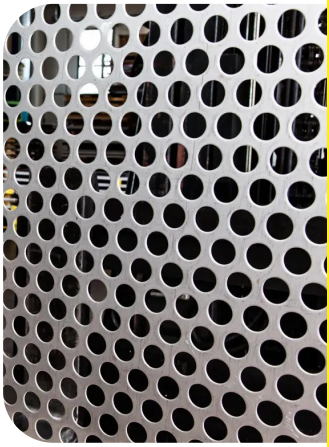


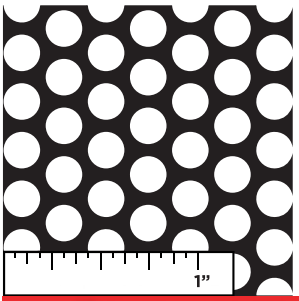
51% OPEN AREA

3/4” RD x 1” STG

GAUGE	MATERIAL OPTIONS
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
18	• STAINLESS STEEL 304 • ALUMINUM 3003-H14
22	• PRE-GALVANIZED G-90 • ALUMINUM 3003-H14

48” X 120”



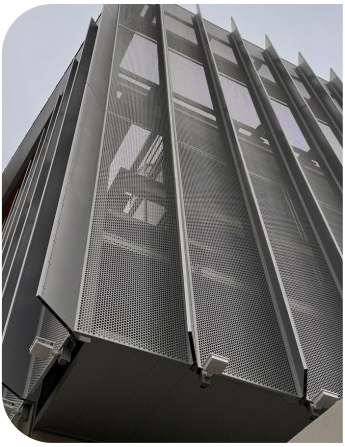


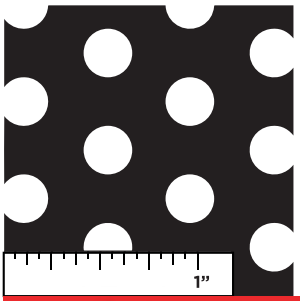
51% OPEN AREA

3/16” RD x 1/4” STG

GAUGE	MATERIAL OPTIONS
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”



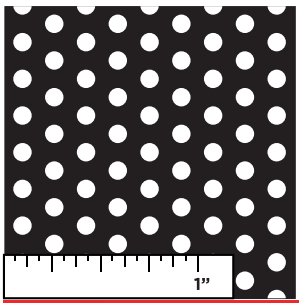


20%

1/4” RD x 1/2” STG

GAUGE	MATERIAL OPTIONS
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”



23% OPEN AREA

3/32” RD x 3/16” STG

GAUGE	MATERIAL OPTIONS
22	• PRE-GALVANIZED G-90 • ALUMINUM 3003-H14

48” X 120”

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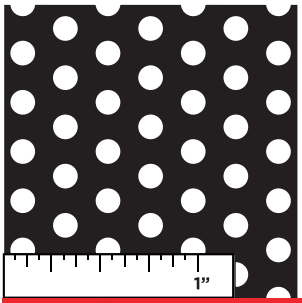
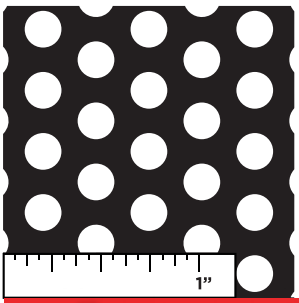


23% OPEN AREA

1/8” RD x 1/4” STG

GAUGE	MATERIAL OPTIONS
20	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”

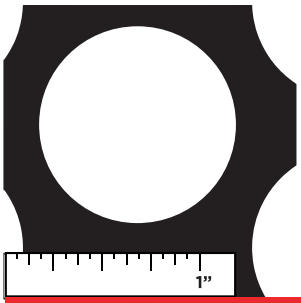


33% OPEN AREA

3/16” RD x 5/16” STG

GAUGE	MATERIAL OPTIONS
11	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14
18	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”



58% OPEN AREA

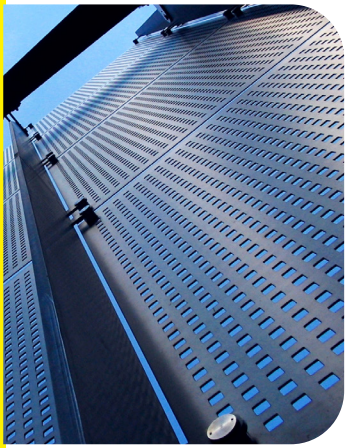
1” RD x 1-1/4” STG

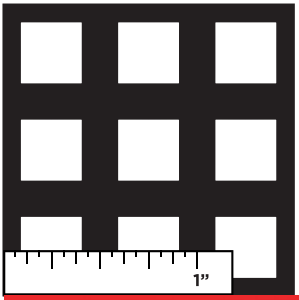
GAUGE	MATERIAL OPTIONS
11	• CARBON STEEL COLD ROLLED • CARBON STEEL HRPO • ALUMINUM 3003-H14

48” X 120”

SQUARE AND HEXAGONAL HOLE PERFORATED PANEL

Our square hole perforated Features a clean, geometric pattern perfect for modern aesthetics and applications that require a balance between visibility and strength. In the other hand our hexagonal version Showcases a honeycomb pattern that offers a distinctive look and superior open area, and is a great product choice for both architectural and industrial applications.



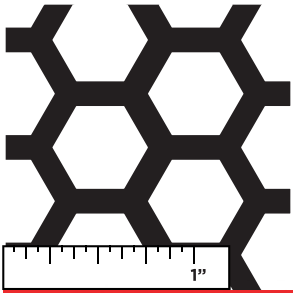


39% OPEN AREA

5/16" SQ x 1/2” STR

GAUGE	MATERIAL OPTIONS
18	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”



79% OPEN AREA

1/2” HEX x 9/16” STG

GAUGE	MATERIAL OPTIONS
16	• CARBON STEEL COLD ROLLED • ALUMINUM 3003-H14

48” X 120”

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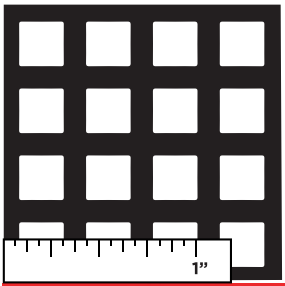
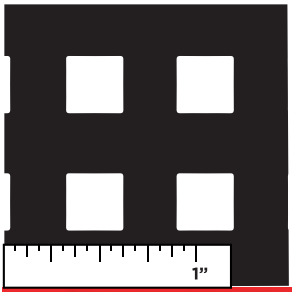


44% OPEN AREA

1/4" SQ x 1/8” STR

GAUGE	MATERIAL OPTIONS	
16	• PRE-GALVANIZED G-90	• ALUMINUM 3003-H14

48” X 96”

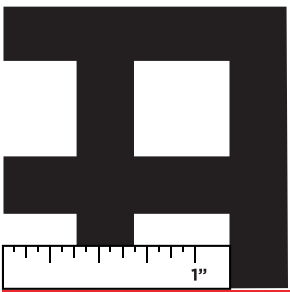


21% OPEN AREA

5/16” SQ x 3/8” STR

GAUGE	MATERIAL OPTIONS	
16	• PRE-GALVANIZED G-90	• ALUMINUM 3003-H14

48” X 96”



33% OPEN AREA

1/2” SQ x 3/8” STR

GAUGE	MATERIAL OPTIONS	
16	• PRE-GALVANIZED G-90	• ALUMINUM 3003-H14

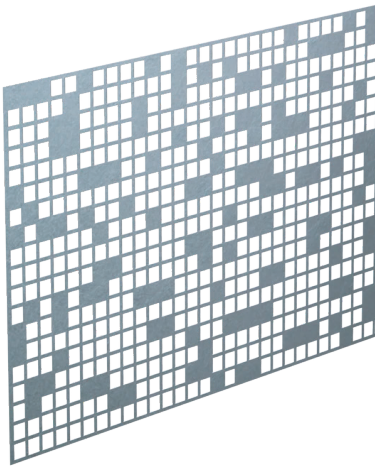
48” X 96”

ALEATORY PERFORATED PANEL

Our aleatory perforated panels are available in two distinct styles to suit diverse applications. The square perforated panels feature bold, geometric designs that exude modernity and provide excellent strength and visibility. Meanwhile, our round perforated panels showcase a sleek, minimalist aesthetic that is perfect for designs requiring smooth contours and balanced light filtration. Both options are ideal for architectural and industrial projects, offering versatility and style tailored to your needs.

ALEATORY SQUARE HOLES

GAUGE	16
MATERIAL	PRE-GALVANIZED G-90
HOLE SIZES	2''
WIDTH	48"
LENGTH	96"



ALEATORY ROUND HOLES

GAUGE	16
MATERIAL	PRE-GALVANIZED G-90
HOLE SIZES	.155'', .375'', 1.25''
WIDTH	48"
LENGTH	96"

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Orlando, FL Tel. (689) 732-7320

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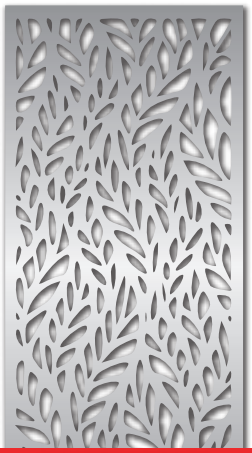
ALEATORY PERFORATED PANEL

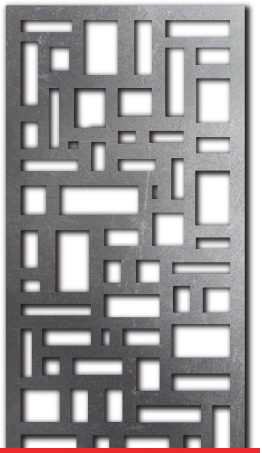
Our architectural perforated panels bring creativity and functionality together with five distinct styles: “Raices”, inspired by organic forms; “Bloques”, featuring clean, rectangular designs; “Palma”, evoking tropical palm shapes; “Enredadera”, with intricate jungle-like vines and leaves; and “Fosil”, showcasing a bold, fossil-inspired pattern. These panels are perfect for adding character and style to any architectural or decorative project.



“ENREDADERA”

GAUGE	MATERIAL
16	• PRE-GALVANIZED G-90

48” X 96”



“BLOQUES”

GAUGE	MATERIAL
16	• PRE-GALVANIZED G-90

48” X 96”

"PALMA"

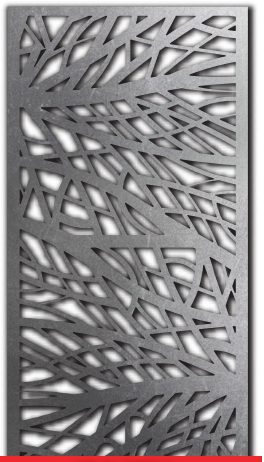
GAUGE	MATERIAL
16	• PRE-GALVANIZED G-90

48" X 96"

"FOSIL"

GAUGE	MATERIAL
16	• PRE-GALVANIZED G-90

48" X 96"



"RAICES"

GAUGE	MATERIAL
16	• PRE-GALVANIZED G-90

48" X 96"

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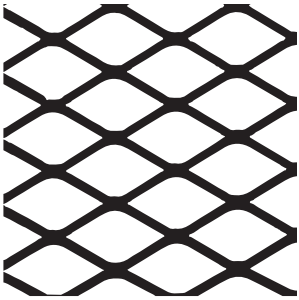
ALEATORY PERFORATED PANEL

Explore our Expanded Metal collection, available in Flattened, Raised, and Grating types to meet a wide range of project needs. The Flattened type offers a smooth surface ideal for sleek designs, while the Raised type provides a textured surface for added grip. The Grating type delivers superior load-bearing capacity, making it suitable for industrial flooring and heavy-duty applications.

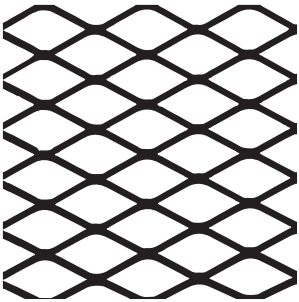


77% OPEN AREA

FLATTENED 3/4" HOLE SIZE

GAUGE	MATERIAL OPTIONS
9	• PRE-GALVANIZED G-90
11	• CARBON STEEL COLD ROLLED
13	• PRE-GALVANIZED G-90
14	• CARBON STEEL COLD ROLLED
16	• CARBON STEEL COLD ROLLED • PRE-GALVANIZED G-90

48” X 96”

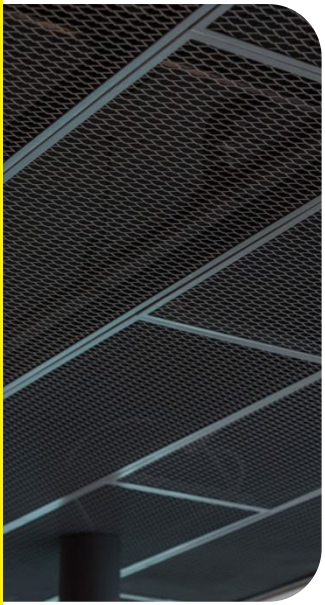


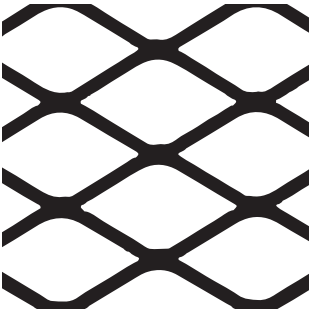
68% OPEN AREA

FLATTENED 1/2" HOLE SIZE

GAUGE	MATERIAL OPTIONS
13	• PRE-GALVANIZED G-90
16	• CARBON STEEL COLD ROLLED

48” X 96”



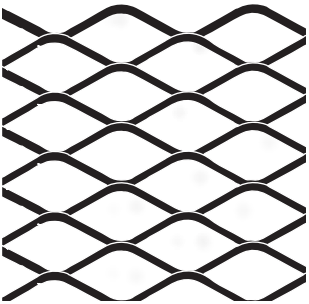


82% OPEN AREA

FLATTENED 1-1/2" HOLE SIZE

GAUGE	MATERIAL OPTIONS
9	• CARBON STEEL HRPO
12	• PRE-GALVANIZED G-90
13	• PRE-GALVANIZED G-90

48” X 96”



77% OPEN AREA

RAISED 3/4" HOLE SIZE

GAUGE	MATERIAL OPTIONS
9	• CARBON STEEL HRPO
11	• PRE-GALVANIZED G-90
13	• PRE-GALVANIZED G-90

48” X 96”

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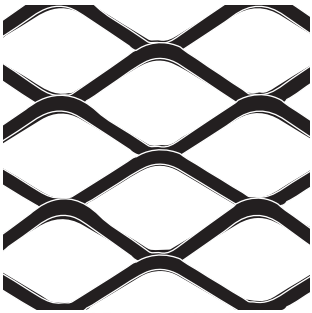
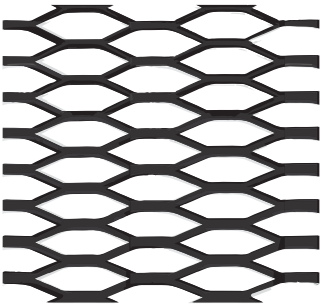


78% OPEN AREA

RAISED 1-1/2" HOLE SIZE

GAUGE	MATERIAL OPTIONS
9	• CARBON STEEL COLD ROLLED

48" X 96"

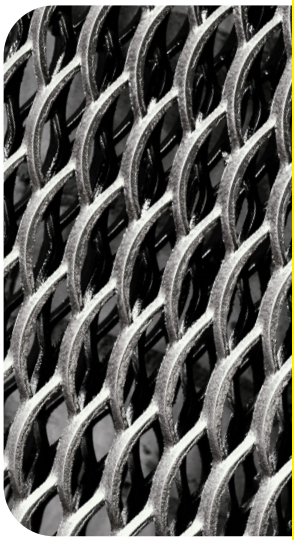


60% OPEN AREA

EXP. GRATING 1-1/4" HOLE SIZE

GAUGE	MATERIAL OPTIONS
3/16"	• CARBON STEEL COLD ROLLED • PRE-GALVANIZED G-90
1/4"	• CARBON STEEL COLD ROLLED • PRE-GALVANIZED G-90

48" X 96"



EXPANDED METAL

STANDARD

FLATTENED

Style Designation	Weight Per 100 Sq. Ft.	Diamond Size Inches	Overall Thickness Inches	Standard Sheet Size Width (SWD)	Length (SWD)
STANDARD EXPANDED METAL					
1/4" - No. 18	117	.26 x 1.0	.125	4'	8'
1/2" - No. 20	43	.459 x 1.120	.134	4'	8'
1/2" - No. 18	70	.507 x 1.195	.161	4' & 6'	8' & 10'
1/2" - No. 16	87	.507 x 1.195	.159	4' & 6'	8' & 10'*
1/2" - No. 13	146	.503 x 1.2	.199	4' & 6'6"	8'
3/4" - No. 16	54	.880 x 2.0	.183	4' & 6'6"	8' & 10'8'
3/4" - No. 13	80	.880 x 2.0	.185	4' & 6'	8' & 10'
3/4" - No. 10	119	.889 x 2.0	.277	4'	8'
3/4" - No. 9	180	.857 x 2.0	.290	4' & 6'	8' & 10'
1" - No. 16	47	1.01 x 2.375	.196	4'	8'
1 1/2"-No. 16	40	1.35 x 3.125	.210	4'	8'
1 1/2"-No. 13	60	1.35 x 3.125	.213	4' & 6'	8' & 10'
1 1/2"-No. 10	79	1.33 x 3.00	.248	4 '& 6'	8' & 10'
1 1/2"-No. 9	119	1.33 x 3.00	.289	4' & 6'	8' & 10'
1 1/2"-No. 6	250	1.33 x 3.00	.385	6'	12'
FLATTENED EXPANDED METAL					
1/4"- No. 20-22	87	.26 x 1.03	.031	4'	8'
1/4"- No. 18-20	113	.26 x 1.03	.042	4'	8'
1/2"- No. 20-22	41	.438 x 1.25	.032	3' & 4'	8'
1/2"- No. 18-20	66	.507 x 1.26	.038	3' & 4'	8' & 10'
1/2"- No. 16-18	82	.507 x 1.26	.050	3' & 4'	8' & 10'
1/2"- No. 13-15	138	.503 x 1.26	.070	3' & 4'	8'
3/4"- No. 16-18	51	.880 x 2.10	.048	3' & 4'	8' & 10'
3/4"- No. 14-16	68	.880 x 2.10	.063	3' & 4'	8'
3/4"- No. 13-15	76	.880 x 2.10	.070	3' & 4'	8' & 10'
3/4"- No. 9-11	171	.857 x 2.10	.110	3' & 4'	8' & 10'
1" - No. 16-18	46	1.01 x 2.50	.048	3' & 4'	8'
1 1/2"- No. 16 (Lt)18	29	1.35 x 3.25	.048	3' & 4'	8'
1 1/2"- No. 14-16	53	1.35 x 3.28	.063	3' & 4'	8'
1 1/2"- No. 13-15	57	1.35 x 3.28	.070	3' & 4'	8' & 10'
1 1/2"- No. 9-11	113	1.35 x 3.25	.106	3' & 4'	8' & 10'

*Style Designation: First number represents nominal width. the short way of diamond. measuring from center to center of bonds. Second number represents approximate gauge of sheet before expanding. Third number (flattened only) represents approximate gauge after flattening.

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ALEATORY PERFORATED PANEL

The perfect solution for industrial and commercial flooring applications. Made from high-quality ASTM A-653 G90 galvanized steel,this plank offers unparalleled durability and long-lasting performance, even in harsh environments.

With its rugged construction and superior performance, this plank is the perfect solution for a wide range of flooring applications, including mezzanines, walkways, platforms, and more. At 14 gauge (.0785" thick), this plank offers exceptional strength and stability, making it ideal for heavy-duty applications.

With a 2" channel depth and serrated surface, this plank offers superior grip and traction, making it ideal for use in wet or oily environments.

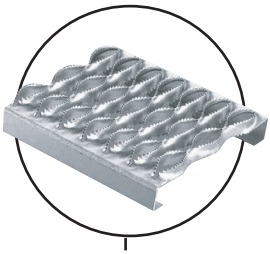
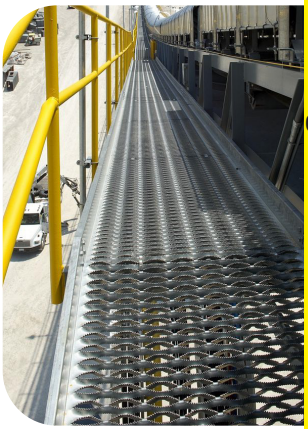


IMAGE IS FOR VISUAL AND CONCEPTUAL PURPOSES, IS NOT TO SCALE.

STEPBLOC SAFETY PLANK GRATING

GAUGE	14 (.0785" THICK)		
MATERIAL	ASTM A-653 G90 GALVANIZED STEEL		
SURFACE PROFILE	3 DIAMOND	5 DIAMOND	
SURFACE WIDTH	9-1/2"	14-11/64	18-7/8"
CHANNEL DEPTH	2"		
LENGTH	118-7/64”		



WIDE VARIETY OF GALVANIZED GRATINGS

Our Steel Gratings are engineered to meet the highest standards of strength and reliability, with an emphasis on galvanized option for enhanced durability and resistance to corrosion. Designed to perform under heavy loads, these gratings are the ideal choice for industrial, commercial, and architectural applications.

LOAD TABLE FOR STEEL GRATING

All loads and deflections shown are based on engineering computations using gross sections and nominal sizes of bearing bars. The values listed are for design selection only and are not intended to be "absolute" since actual load capacity will be affected slightly by variations which can be expected due to material and manufacturing tolerances.

Note: The carrying capacity of a piece of grating subjected to a concentrated load over only a portion of its width is determined by the stiffness of both the bearing bars and the cross bars, and therefore differs with the type of gratings used. To determine the carrying capacity of gratings subject to such loadings, the manufacturer's engineering department should be consulted.

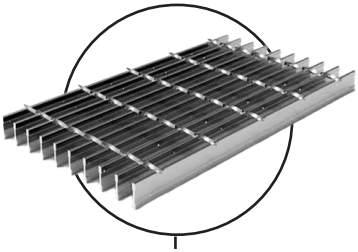


IMAGE IS FOR VISUAL AND CONCEPTUAL PURPOSES, IS NOT TO SCALE.

F= 18,000PSI E= 29,000,000PSI

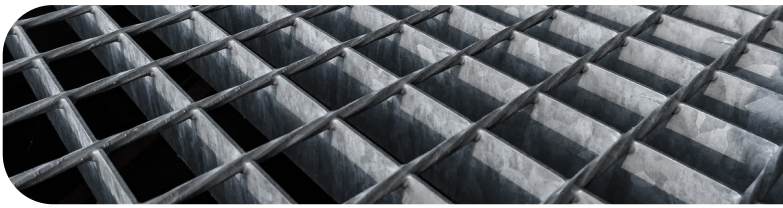
RECOMMENDED MAX. SPAN (IN.) FOR 1/4 IN. DEFLECTION UNDER UNIFORM LOAD OF 100PSF

U= UNIFORM LOAD, PDF
D= DEFLECTION, IN.
C= CONCENTRATED LOAD AT MIS-SPAN, LB PER FOOT OF GRATING WIDTH

CONVERSION FACTORS: FOR GRATINGS WITH OTHER THAN 1-3/16" BEARING BARS SPACING, OR FOR DIFFERENT DESIGN STRESSES, PROPORTIONATE CONVERSION FACTORS APPLY. REFER TO THE METAL BAR GRATING ENGINEERING DESIGN MANUAL FOR THE DEVELOPMENT OF SUCH FACTORS.

BEARING BAR SIZE (IN)	NOMINAL WEIGHT (PSF)**		SPAN IN INCHES															
			24	30	36	42	48	54	60	66	72	78	84	90	96	102	108
1" X 3/16"	57	U	947	606	421	309	237	187	152	125	105						
		DU	0.074	0.116	0.168	0.228	0.298	0.377	0.466	0.563	0.670						
		C	947	758	632	541	474	421	379	344	316						
		DC	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536						
1-1/4" X 3/16"	67	U	1480	947	658	483	370	292	237	196	164	140	121				
		DU	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730				
		C	1480	1184	987	846	740	658	592	538	493	455	423				
		DC	0.048	0.074	0.107	0.146	0.191	0.241	0.298	0.360	0.429	0.504	0.584				
1-1/2" X 3/16"	77	U	2132	1364	947	696	533	421	341	282	237	202	174	152	133	118	105
		DU	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.524	0.608	0.698	0.794	0.897	1.006
		C	2132	1705	1421	1218	1066	947	853	775	711	656	609	568	533	502	474
		DC	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.358	0.420	0.487	0.559	0.636	0.718	0.804

NOTE: 1/4" IS CONSIDERED THE MAXIMUM DEFLECTION CONSISTENT WITH PEDESTRIAN COMFORT, BUT CAN BE EXCEEDED FOR OTHER CONDITIONS AT THE DISCRETION OF THE ENGINEER.



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EXPANDED METAL GRATING

Style Designation (Wt. per sq. ft.)	Diamond Size a x b Inches	Overall Thickness in Inches	Standard Sheet Size Length (SWD)	Standard Sheet Size Width (LWD)
3.0 lb.	1.44 x 5.0	1/2	4'* & 6'	5', 8' & 10'*
3.14 lb.	2.00 x 6.0	9/16	4' & 6'	10'
4.0 lb.	1.395 x 5.0	5/8	4', 5' & 6'	8'
4.27 lb.	1.412 x 4.0	5/8	4' & 6'	8'
5.0 lb.	1.143 x 5.0	5/8	4'	5', 8' & 10'
6.25 lb.	1.412 x 5.0	47/64	4' & 6'	8'
7.0 lb.	1.333 x 5.0	3/4	4'	4'-2" & 8'-4"

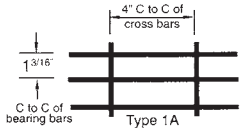
CARBON STEEL GRATINGS

Standard or Serrated
Stock Widths 24" & 36", Lengths 20' & 24'

WEIGHT in pounds per sq. ft.

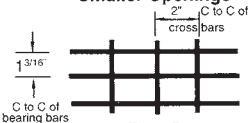
Bearing Bars	Cross Bars	Type 1A	Type 1B
3/4 x 1/8	1/4	3.99	4.63
3/4 x 3/16	1/4	5.67	6.31
1 x 1/8	1/4	5.15	5.79
* 1 x 3/16	1/4	7.35	7.99
1 1/4 x 1/8	1/4	6.20	6.84
* 1 1/4 x 3/16	1/4	9.03	9.67
1 1/2 x 1/8	1/4	7.35	7.99
* 1 1/2 x 3/16	5/16	10.94	11.80
1 3/4 x 3/16	5/16	12.62	13.48
2 x 3/16	5/16	14.30	15.16
2 1/4 x 3/16	5/16	15.87	16.74
2 1/2 x 3/16	5/16	17.55	18.42

General Duty



Type 1A

(Standard)
Smaller Openings



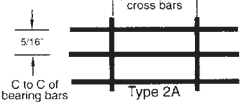
Type 1B

*** These are in Stock at any of our locations**

WEIGHT in pounds per sq. ft.

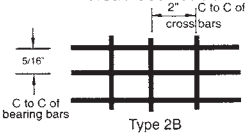
Bearing Bars	Cross Bars	Type 2A	Type 2B
3/4 x 1/8	1/4	4.95	5.59
3/4 x 3/16	1/4	7.11	7.75
1 x 1/8	1/4	6.44	7.08
1 x 3/16	1/4	9.27	9.91
1 1/4 x 1/8	1/4	7.79	8.43
1 1/4 x 3/16	1/4	11.43	12.07
1 1/2 x 1/8	1/4	9.27	9.91
1 1/2 x 3/16	5/16	13.82	14.68
1 3/4 x 3/16	5/16	15.98	16.84
2 x 3/16	5/16	18.14	19.00
2 1/4 x 3/16	5/16	20.16	21.03
2 1/2 x 3/16	5/16	22.32	23.19

(Standard with Close Cross Bars)
Heavier Loads



Type 2A

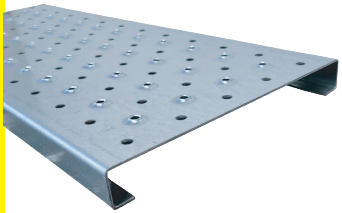
(Close Space)
Heaviest Loads



Type 2B

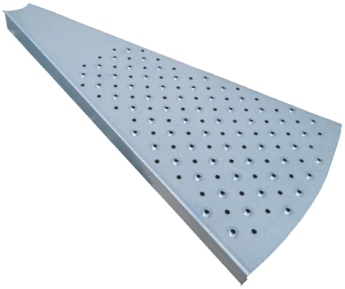
ALEATORY PERFORATED PANEL

Engineered for both industrial and architectural applications, Recanorm® galvanized steps offer exceptional strength and versatility. Available in rectangular and spiral designs, these steps provide superior slip resistance and durability, ensuring safety in high-traffic areas.



METAL STAIRCASE STEP

GAUGE	14 (.0785" THICK)			
MATERIAL	ASTM A-653 G90 GALVANIZED STEEL			
SURFACE WIDTH	10"			
CHANNEL DEPTH	2"			
LENGTH	24”	32”	40”	48”



SPIRAL METAL STAIRCASE STEP

GAUGE	14 (.0785" THICK)		
MATERIAL	ASTM A-653 G90 GALVANIZED STEEL		
SURFACE WIDTH	13"	16"	19"
CHANNEL DEPTH	2"		
LENGTH	24”	32”	40”

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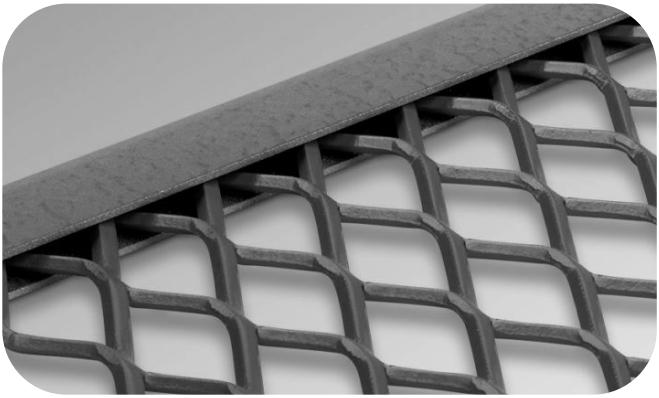
ALEATORY PERFORATED PANEL

U-Channels are vital for reinforcing the edges of perforated and expanded metals, delivering exceptional strength and stability. Made from high-quality galvanized steel, these channels effectively distribute loads and enhance structural integrity, making them ideal for demanding industrial and commercial applications.

GAUGE	16		
MATERIAL	GALVANIZED STEEL		
HEIGHT	1/2"	1"	
WIDTH	1/8"	1/16"	1/4"
LENGTH	144”		

IMAGE IS FOR VISUAL AND CONCEPTUAL PURPOSES, IS NOT TO SCALE.



MISCELLANEOUS METALS FABRICATIONS

CNC PLATE PROCESSING

STEEL AND PIPES

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CUT TO SIZE
AND BEND TO SIZE

STEEL AND PIPES
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GUIDE TO SELECTION

ALUMINUM COIL/SHEET/PLATE

NON-HEAT TREATABLE (COMMON) ALLOYS

1100 (UNS A91100) is commercially pure aluminum (99.00% minimum). Excellent corrosion resistance, workability and weldability; high thermal conductivity. Tensile strength range 14 to 24 KSI. Uses include deep drawing, spinning, sheet metal work, decorative and architectural applications, air ducts, name plates, fan blades, etc. Conforms to AMS QQ-A-250/1 and ASTM B209.

3003 (UNS A93003) is alloyed with 1.2% manganese to provide a tensile strength range of 17 to 30 KSI. Excellent workability, weldability, and corrosion resistance. Used for drawing, spinning, fuel tanks, sheet metal work and other applications where slightly higher strength than 1100 is required. Conforms to AMS QQ-A-250/2 and ASTM B209.

5005 (UNS A95005) is alloyed with .8% magnesium. Tensile strength range 18 to 30 KSI. Excellent workability, weldability, and corrosion resistance. Specified for applications comparable to 1100 and 3003 — where anodizing is required. Anodized finish matches that of architectural alloy 6063. Conforms to Federal specification ASTM B209.

5052 (UNS A95052) is alloyed with 2.5% magnesium. Tensile strength range 31 to 44 KSI. Very good corrosion resistance, good workability, weldability and strength. Used for aircraft fuel tanks, storm shutters, refrigerator liners, utensils, electronic mounting plates and panels, fan blades, etc. Conforms to AMS QQ-A-250/8 and ASTM B209.

5083 (UNS A95083) is alloyed with 4.45% magnesium, 0.65% manganese and 0.15% chromium. Tensile strength range: 40 to 59 KSI. For use in structures requiring high weld efficiency for maximum joint strength — plus light weight and corrosion resistance. Applications: marine components, truck bodies, construction equipment, tanks, structural towers, drilling rigs, cryogenic applications, etc. Conforms to ASTM B209 and AMS QQ-A-250/6.

5086 (UNS A95086) is alloyed with 4.0% magnesium, .45% manganese and 0.15% chromium. This alloy has a typical tensile strength range of 40 to 54 KSI. It offers resistance to stress corrosion and superior resistance to atmospheric corrosion plus good general workability. Applications include tanks (stationary, trailer and rail-car), marine components and welded assemblies of all kinds. Conforms to AMS QQ-A-250/7 and ASTM B209.

5454 (UNS A95454) is alloyed with 2.7% magnesium, 0.8% manganese and 0.12% chromium. Tensile strength range 36 to 47 KSI. Good formability, weldability and corrosion resistance. Uses include pressure vessels (ASME code approved for up to **400**° F.), tanks dumptruck bodies, welded structures, etc. Conforms to AMS QQ-A-250/10 and ASTM B209.

(Continued)

HEAT TREATABLE (STRONG) ALLOYS

2024 (UNS A92024) is alloyed with 4.5% copper. Tensile strength range 30 to 63 KSI. Fair workability and corrosion resistance. Forming operations are limited. Used for high strength structural and aircraft applications. Also available as Alclad for improved corrosion resistance. 2024 conforms to AMS QQ-A-250/4 and ASTM B209.

6061 (UNS A96061) is alloyed with 1.0% magnesium and .6% silicon. Tensile strength range 20 to 42 KSI. Good formability, weldability and corrosion resistance. Used for engineering and structural applications, boats, furniture, transportation equipment, etc. Conforms to AMS QQ-A-250/11 and ASTM B209.

7050 is alloyed with zinc (5.7-6.7%), copper (2.0-2.6%) and magnesium (1.9-2.6%) to offer superior strength, stress corrosion resistance and toughness. Stocked in T7451, a temper intermediate to T3 and T76. Used in aricraft and missile applications. Conforms to AMS 4050, MMS 1420, BAC 5439 Class A, BMS 7-323 and MIL-STD 2154.

7075 (UNS A97075) and Alclad 7075 are heavily alloyed with zinc with lesser amounts of magnesium, copper and chromium. One of the strongest of the aluminum alloys, its use parallels that of 2024 with 7075 selected when higher mechanical properties are desired. Forming operations are limited. Also available as Alclad for improved corrosion resistance. All 7075 flat products conform to ASTM B209; 7075 Bare conforms to AMS QQ-A-250/12, Alclad 7075, AMS QQ-A-250/13.

QC-7 This high-strength aluminum alloy is fully heat treated and stress relieved. It has outstanding thermal conductivity along with high strength and surface hardness and as such it is suitable for polishing and texturing. Used in production injection molds, blow molds, structural foam molds, RIM molds and aluminum die sets, it is weldable and highly machinable. Conforms to ANSI H35.2.

CAST ALUMINUM PLATE

M-1 An extraordinarily dense, dimensionally stable high strength aluminum plate designed especially for the high temp plastic molding industry. 100% ultrasonically inspected to insure a porosity-free condition. Superior machinability and high Brinell hardness without heat treatment make M-1 a cost saving alternative in a variety of mold applications. Conforms to ANSI H35.2.

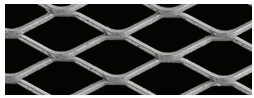
WEIGHT CONVERSION FACTORS

Once you know the weight of a particular size of sheet or plate in a given alloy, it is easy to determine the appropriate weight for alternative alloys by using these conversion factors.

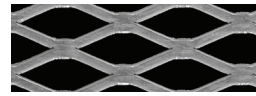
	1100 5005 6061	3003	5052 5454	5083 5086 5456	2014 Alclad 2014	2024 Alclad 2024	7005 Alclad 7075
Conversion Factor:	1.00 (.098)	1.01 (.099)	0.98 (.097)	0.979 (.096)	1.03 (.101)	1.02 (.100)	1.03 (.101)

ALUMINUM EXPANDED METAL

1100-H14, 3003-H14 or 5005-H34
(Based on availability)
Mill Finish - Non-Heat Treatable



Standard



Flattened

Sizes in Stock

Style Designation	Diamond size in inches	Opening Size in Inches	Overall Thickness in Inches	Weight per 100 Sq. Ft. in Lbs.
STANDARD Sheet: 48" x 96"				
½ No. .051	.50 x 1.20	.41 x 0.94	.158	.270
½ No. .081	.50 x 1.20	.34 x 0.88	.186	.440
¾ No. .081 Hvy.	.92 x 2.00	.73 x 1.6	.300	.410
¾ No. .125	.92 x 2.00	.70 x 1.5	.305	.650
Flattened Sheet: 48" x 96"				
½ No. .051	.50 x 1.25	.30 x 1.0	.040	.260
½ No. .081	.50 x 1.25	.28 x 0.94	.060	.420
¾ No. .081 Lt.	.92 x 2.10	.64 x 1.8	.070	.300
¾ No. .125	.92 x 2.10	.56 x 1.8	.095	.620
1½ No. .125	1.33 x 3.20	.98 x 2.5	.086	.410

ALUMINUM SHEET

1100
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/1 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Width in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	1100-0 AMS 4001	1100-H14 AMS 4003
.020	36 x 96	.282	6.77	x	x
.025	36 x 96	.353	8.47	x	x
	36 x 120	.353	10.59		x
.032	36 x 96	.452	10.85	x	x
	36 x 120	.452	13.56		x
	48 x 96	.452	14.46		x
	48 x 120	.452	18.08		x
.040	36 x 96	.565	13.56	x	x
	36 x 120	.565	16.95		x
	48 x 120	.565	22.60		x
	48 x 144	.565	27.12	x	x
.050	36 x 96	.706	16.94	x	x

(Continued)

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ALUMINUM SHEET

1100

Mill Finish - Non-Heat Treatable
AMS QQ-A-250/1 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Width in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	1100-0 AMS 4001	1100-H14 AMS 4003
(Continued)					
.050	36 x 120	.706	21.18		x
	48 x 96	.706	22.59		x
	48 x 120	.706	28.24		x
	48 x 144	.706	33.89		x
.063	36 x 96	.889	21.34	x	x
	36 x 120	.889	26.67		x
	48 x 96	.889	28.45		x
	48 x 120	.889	35.56		x
	48 x 144	.889	42.67	x	x
.080	48 x 144	1.127	54.10		x
.090	36 x 96	1.274	30.58		x
	48 x 120	1.274	50.96		x
	48 x 144	1.274	61.15	x	x
	60 x 144	1.274	76.44		x
.125	36 x 96	1.764	42.34	x	x
	48 x 96	1.764	56.45		x
	48 x 120	1.764	70.56		x
	48 x 144	1.764	84.67	x	x
.190	36 x 96	2.685	64.44		x
	48 x 144	2.685	128.88		x

ALUMINUM SHEET

3003

Mill Finish - Non-Heat Treatable
AMS QQ-A-250/2 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	3003-0 AMS 4006	3003-H14 AMS 4008
.020	36 x 96	.285	6.84		x
.025	36 x 96	.356	8.54		x
	48 x 96	.356	11.39		x
	48 x 120	.356	14.24		x
	48 x 144	.356	17.09		x
.032	36 x 96	.456	10.94	x	x
	36 x 120	.456	13.68		x
	36 x 144	.456	16.42		x
	48 x 96	.456	14.59		x
	48 x 120	.456	18.24		x

(Continued)

ALUMINUM SHEET

3003
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/2 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	3003-0 AMS 4006	3003-H14 AMS 4008
(Continued)					
.030	48 x 144	.456	21.89	x	x
	60 x 96	.456	18.24		x
	60 x 120	.456	22.80		x
.040	36 x 96	.570	13.68	x	x
	36 x 120	.570	17.10		x
	48 x 96	.570	18.24		x
	48 x 120	.570	22.80		x
	48 x 144	.570	27.36	x	x
	60 x 120	.570	28.50		x
	60 x 144	.570	34.20		x
.050	36 x 96	.713	17.11	x	x
	36 x 120	.713	21.39		x
	36 x 144	.713	25.66		x
	48 x 96	.713	22.82		x
	48 x 120	.713	28.52		x
	48 x 144	.713	34.22	x	x
	60 x 120	.713	35.65		x
	60 x 144	.713	42.78		x
.063	36 x 96	.898	21.55	x	x
	36 x 120	.898	26.94		x
	36 x 144	.898	32.33		x
	48 x 96	.898	28.74		x
	48 x 120	.898	35.92		x
	48 x 144	.898	43.10	x	x
	60 x 120	.898	44.90		x
	60 x 144	.898	53.88		x
.080	36 x 96	1.139	27.34		x
	36 x 120	1.139	34.17		x
	36 x 144	1.139	41.00		x
	48 x 96	1.139	36.45		x
	48 x 120	1.139	45.56		x
	48 x 144	1.139	54.67	x	x
	60 x 120	1.139	56.95		x
	60 x 144	1.139	68.34		x
.090	36 x 96	1.287	19.31		x
	36 x 96	1.287	30.89		x
	36 x 120	1.287	38.61		x
	36 x 144	1.287	46.33		x
	48 x 96	1.287	41.18		x
	48 x 120	1.287	51.48		x
	48 x 144	1.287	61.78	x	x
	60 x 120	1.287	64.35		x
	60 x 144	1.287	77.22		x
.100	36 x 96	1.426	34.33		x

(Continued)

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ALUMINUM SHEET

3003
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/2 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	3003-0 AMS 4006	3003-H14 AMS 4008
(Continued)					
.100	48 x 96	1.426	45.63		x
	48 x 120	1.426	57.04		x
	48 x 144	1.426	68.45		x
	60 x 120	1.426	71.30		x
	60 x 144	1.426	85.56		x
	72 x 120	1.426	85.56		x
.119	36 x 96	1.696	40.10		x
.125	36 x 96	1.782	42.77	x	x
	36 x 120	1.782	53.46		x
.125	36 x 144	1.782	64.15		x
	48 x 96	1.782	57.02		x
	48 x 100	1.782	59.16		x
	48 x 120	1.782	71.28		x
	48 x 144	1.782	85.54	x	x
	60 x 96	1.782	71.29		x
	60 x 120	1.782	89.10		x
	60 x 144	1.782	106.90		x
	72 x 120	1.782	106.90		x
	72 x 144	1.782	128.30		x
	84 x 240	1.782	249.48		x
	96 x 144	1.782	171.07		x
.160	60 x 144	2.280	136.80		x
.190	36 x 96	2.173	65.11		x
	36 x 144	2.173	97.67		x
	48 x 120	2.173	108.52		x
	48 x 144	2.173	130.22		x
	60 x 96	2.173	108.36		x
	60 x 120	2.173	135.65		x
	60 x 144	2.173	162.78		x
	72 x 144	2.173	195.34		x
	84 x 240	2.173	379.82		x
.249	48 x 96	3.550	113.60		x
	48 x 120	3.550	142.00		x
	48 x 144	3.550	170.4		x

ALUMINUM SHEET

5005-H34
Mill Finish - Non-Heat Treatable
ASTM B209 Anodizing Quality

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs
.040	36 x 120	.565	16.95
	48 x 96	.565	18.08
	48 x 120	.565	22.60
	48 x 144	.565	27.12
.050	48 x 96	.706	22.59
	48 x 120	.706	28.24
	48 x 144	.706	33.89
.063	48 x 96	.889	28.45
	48 x 120	.889	35.56
	48 x 144	.889	42.67
.080	48 x 96	1.127	36.06
	48 x 120	1.127	45.08
	48 x 144	1.127	54.10
.090	48 x 120	1.274	50.96
	48 x 144	1.274	61.15
.125	48 x 96	1.764	56.45
	48 x 120	1.764	70.56
	48 x 144	1.764	84.67
.190	48 x 120	2.685[1]	107.40

[1]5005-H32

ALUMINUM SHEET

5052
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/8 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	5052-0 AMS 4015	5052-H32 AMS 4016	5052-H34 AMS 4017
.020	36 x 96	.279	6.70		x	x
.025	36 x 96	.349	8.38		x	x
.032	36 x 96	.447	10.73		x	x
	36 x 120	.447	13.41		x	
	48 x 96	.447	14.30		x	
	48 x 120	.447	17.88		x	
	48 x 144	.447	21.46		x[1]	x
.040	36 x 96	.559	13.42		x	x
	36 x 120	.559	16,77		x	
	36 x 144	.559	20.12		x	
	48 x 96	.559	17.89		x	

(Continued)

Many sheets are stocked with protective coating.

[1]**Available stocked as Electronic Panel Quality.**

ALUMINUM SHEET

5052
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/8 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	5052-0 AMS 4015	5052-H32 AMS 4016	5052-H34 AMS 4017
(Continued)						
.040		.559	22.36		x	x
		.559	26.83		x	x
.050		.698	16.75	x	x	x
		.698	20.94		x	
		.698	25.13		x	
		.698	22.34		x	x
		.698	27.92		x	x
		.698	33.50	x	x	x
		.698	34.90		x	
		.698	41.88		x	x
.063		.880	21.12	x	x	x
		.880	26.40		x	
		.880	31.68		x	
		.880	28.16		x	x
		.880	35.20		x	x
		.880	42.24	x	x[1]	x
		.880	35.20		x	
		.880	44.00		x	
		.880	52.80		x	x
		.880	63.36		x	
.080		1.116	26.78		x	
		1.116	33.48		x	
		1.116	40.18		x	
		1.116	35.71		x	x
		1.116	44.64		x	x
		1.116	53.57	x	x[1]	x
		1.116	55.80		x	
		1.116	66.96		x	x
.090		1.261	30.26		x	x
		1.261	37.83		x	
		1.261	45.40		x	
		1.261	40.35		x	x
		1.261	50.44		x	x
		1.261	60.53	x	x[1]	x
		1.261	50.44		x	
		1.261	63.05		x	
		1.261	75.66		x	
.100		1.397	41.91		x	
		1.397	44.70		x	
		1.397	55.88		x	
		1.397	67.06		x[1]	x
		1.397	69.85		x	

(Continued)

Many sheets are stocked with protective coating.

[1]Available stocked as Electronic Panel Quality.

ALUMINUM SHEET

5052
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/8 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	5052-0 AMS 4015	5052-H32 AMS 4016	5052-H34 AMS 4017
(Continued)						
.040	60 x 144	1.397	83.82		x	
	60 x 240	1.397	139.70		x	
.050	36 x 96	1.746	41.90		x	x
	36 x 120	1.746	52.38		x	
	36 x 144	1.746	62.86		x	
	48 x 36	1.746	20.95		x	
	48 x 96	1.746	55.87		x	x
	48 x 120	1.746	69.84		x	
	48 x 144	1.746	83.81	x	x[1]	x
.063	48 x 240	1.746	139.68		x	
	60 x 120	1.746	87.30		x	
	60 x 144	1.746	104.76		x	
	60 x 240	1.746	174.60		x	
	72 x 120	1.746	104.76		x	
	72 x 144	1.746	125.71		x	
	48 x 96	2.231	71.39		x	
	48 x 120	2.231	89.24		x	
	48 x 144	2.231	107.09		x[1]	
.080	36 x 96	2.658	63.79	x	x	
	48 x 36	2.658	31.90		x	
	48 x 96	2.658	85.06		x	
	48 x 120	2.658	106.32		x	
	48 x 144	2.658	127.58	x	x[1]	x
	48 x 240	2.658	212.64		x	
	60 x 70	2.658	77.480		x	
.090	60 x 96	2.658	106.32		x	
	60 x 120	2.658	132.90		x	
	60 x 144	2.658	159.48		x	
	60 x 240	2.658	265.80		x	
	72 x 120	2.658	159.48		x	
	72 x 144	2.658	191.38		x	
	72 x 240	2.658	318.96		x	
	96 x 240	2.658	425.28		x	
.100	48 x 120	3.492	139.68		x	
	48 x 144	3.492	167.62		x	
	60 x 120	3.492	174.60		x	
	72 x 240	3.492	429.04		x	

Many sheets are stocked with protective coating.
[1]Available stocked as Electronic Panel Quality.

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ALUMINUM SHEET

5083 and 5086
Mill Finish - Non-Heat Treatable
5083: ASTM B209, AMS 4056, and AMS QQ-A-250/6
5086-H32: ASTM B209, AMS QQ-A-250/7
5086-H116 Marine: ASTM B209, B928

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	5083-0 AMS 4056	5086-H32	5086-H116 Marine
.080	60 x 120	1.106	55.30			x
.125	48 x 96	1.728	55.30			x
	48 x 120		69.12			x
	48 x 144		82.94		x	x
.160	60 x 240	2.200	220.00		x	x
.188	60 x 240	2.600	260.00		x	x
	72 x 240		312.00		x	x
.190	48 x 120	2.627	105.06			x
	48 x 144		126.24		x	x
	60 x 144		157.59			x
	96 x 240		420.80	x		x
.249	48 x 144	3.442	165.22			x
	60 x 240		344.22			x
	72 x 144		247.84			x

ALUMINUM SHEET

5454-H32
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/10 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs
.180	84 x 96	2.231	124.94
.175	84 x 96	2.454	137.42
	84 x 240	2.444[1]	342.16
.190	60 x 240	2.658[1]	265.80
	72 x 144	2.658[1]	191.40
	72 x 240	2.658	318.96
	84 x 96	2.658[1]	148.85
	84 x 240	2.658[1]	372.12

[1]5454-H34

ALUMINUM SHEET

6061
Mill Finish - Heat Treatable
AMS QQ-A-250/11 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs	6061-0 AMS 4025	6061-T4 AMS 4026	6061-T6 AMS 4027
.032	48 x 144	.452	21.70		x	x
.040	48 x 144	.565	27.12			x
.050	48 x 120	.706	28.24			x
	48 x 144	.706	33.89	x		x
	60 x 144	.706	42.36			x
.063	48 x 96	.889	28.45			x
	48 x 120	.889	35.56		x	x
	48 x 144	.889	42.67	x		x
	60 x 144	.889	53.34			x
.080	48 x 120	1.127	45.08			x
	48 x 144	1.127	54.10		x	x
	60 x 144	1.127	67.62			x
.090	48 x 96	1.127	40.77			x
	60 x 144	1.274	76.44			x
.100	48 x 120	1.411	56.44			x
	48 x 144	1.411	67.73			x
.125	36 x 96	1.764	42.34			x
	48 x 96	1.764	56.45			x
	48 x 120	1.764	70.56			x
	48 x 144	1.764	84.67	x	x	x
	60 x 144	1.764	105.84			x
	72 x 144	1.764	127.01			x
.160	48 x 144	2.254	108.19			x
.190	36 x 96	2.685	64.44			x
	48 x 96	2.685	85.92			x
	48 x 120	2.685	107.40			x
	48 x 144	2.685	128.88	x	x	x
	60 x 120	2.685	134.25			x
	60 x 144	2.685	161.10	x		x
	72 x 96	2.685	50.69			x
	72 x 120	2.685	161.10			x
	72 x 144	2.685	193.32			x

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ALUMINUM SHEET

2024 - T3, AMS 4037
Mill Finish - Heat Treatable
Bare: ASTM B209 and AMS QQ-A-250/4

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs
.025	48 x 144	.360	17.28
.032	48 x 144	.461	22.13
.040	48 x 144	.576	27.65
.050	48 x 144	.720	34.56
.063	48 x 144	.907	43.54
.080	48 x 144	1.150	55.20
.090	48 x 144	1.300	62.40
.125	48 x 144	1.800	86.40
.190	48 x 144	2.740	131.52

ALUMINUM SHEET

2024 - T3, Alclad, AMS 4041
Mill Finish - Heat Treatable
Alclad: ASTM B209 and AMS QQ-A-250/5

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs
.020	36 x 144	.288	10.37
.025	48 x 144	.360	17.28
.032	48 x 144	.461	22.13
.040	48 x 144	.576	27.65
.050	48 x 144	.720	34.56
.063	48 x 144	907	43.54
.090	48 x 144	1.300	62.40
.125	48 x 144	1.800	86.40

ALUMINUM PLATE

3003-H14
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/2 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Sheet in Lbs
.250	48 x 96	3.564	114.05
	48 x 120	3.564	142.56
	48 x 144	3.564	171.07
	60 x 144	3.564	213.84
	72 x 144	3.564	256.61
.375	48 x 144	5.346	256.61
.500	48 x 144	7.128	342.14
	72 x 144	7.128	513.22
.750	72 x 144	10.690	769.28

ALUMINUM PLATE

5052
Mill Finish - Non-Heat Treatable
AMS QQ-A-250/8 and ASTM B209

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs	5052-0 AMS 4015	5052-H32 AMS 4016	5052-H112
.250	36 x 96	3.492	83.81	x	x	
	36 x 144	3.492	125.71		x	
	48 x 96	3.492	111.74		x	
	48 x 120	3.492	139.68		x	
	48 x 144	3.492	167.62		x	
	60 x 120	3.492	174.60		x	
	60 x 144	3.492	209.52		x	
	60 x 240	3.492	349.20	x		
	72 x 144	3.492	251.42		x	
	96 x 240	3.492	558.72			x
.375	48 x 144	5.238	251.42		x	
	72 x 240	5.238	628.56			x
.500	48 x 144	6.984	335.23		x	
	72 x 240	6.984	838.08			x

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ALUMINUM PLATE

6061
Mill Finish - Heat Treatable
Wrought Tooling Plate
AMS QQ-A-250/11 and ASTM B209
AMS 4027 (T651) (through 6" only)

Sizes in Stock

Decimal Thickness in Inches	Width in Inches		Lenght in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs	6061-0	6061-T651
.250	36½	x	96½	3.660	89.52		x
	48½	x	96½	3.660	118.96		x
	48½	x	144½	3.660	178.13		x
	60½	x	120½	3.660	185.29		x
	60½	x	144½	3.660	222.20		x
	72½	x	144½	3.660	266.27		x
	84	x	240	3.660	512.40		x
.313	36½	x	96½	4.520	110.56		x
	48½	x	144½	4.520	219.98		x
	84	x	240	4.520	632.80		x
.375	36½	x	96½	5.440	133.06		x
	48½	x	72½	5.440	132.36		x
	48½	x	144½	5.440	264.76	x	x
	60½	x	144½	5.440	330.26		x
	72½	x	144½	5.440	395.77		x
	96	x	240	5.440	870.40		x
.500	36½	x	96½	7.250	177.34		x
	48½	x	72½	7.250	176.39		x
	48½	x	144½	7.250	352.85		x
	60½	x	144½	7.250	440.15		x
	72	x	144	7.250	522.00		x
.625	36	x	96	9.020	216.48		x
	48½	x	144½	9.020	438.99		x
	60½	x	120½	9.020	456.65		x
.750	36½	x	96½	10.840	265.15		x
	48½	x	144½	10.840	527.57		x
	60½	x	144½	10.840	658.10		x
	72	x	240	10.840	1269.60		x
	72½	x	144½	10.840	769.71		x
.875	48½	x	144½	12.550	610.79		x
	60½	x	121½	12.550	640.64		x
1.000	36½	x	96½	14.440	353.20		x
	48½	x	144½	14.440	702.77		x
	60½	x	144½	14.440	876.65		x
1.250	48½	x	144½	17.960	874.08		x
1.500	36½	x	96½	21.490	525.65		x
	48½	x	144½	21.490	1045.88		x
	60½	x	144½	21.490	1304.66		x
1.750	36½	x	96½	25.070	613.21		x
	48½	x	144½	25.070	1220.12		x
2.000	48½	x	144½	28.640	1393.86		x

(Continued)

ALUMINUM PLATE

6061
Mill Finish - Heat Treatable
Wrought Tooling Plate
AMS QQ-A-250/11 and ASTM B209
AMS 4027 (T651) (through 6" only)

Sizes in Stock

Decimal Thickness in Inches	Width in Inches		Lenght in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs	6061-0	6061-T651
(Continued)							
	60½	x	144½	28.640	1738.74	x	
	72½	x	144½	28.640	2083.61	x	
2.250	48½	x	144½	32.130	1563.72	x	
2.500	48½	x	144½	35.800	1742.33	x	
3.000	48½	x	144½	42.850	2085.44	x	
	60½	x	144½	42.850	2601.43	x	
3.500	48½	x	144½	50.090	2437.80	x	
4.000	48½	x	144½	57.360	2791.62	x	
	60½	x	144½	57.360	3482.33	x	
4.500	48½	x	144½	64.420	3135.22	x	
5.000	48½	x	144½	71.470	3478.33	x	
5.500	48½	x	144½	77.620	3777.64	x	
6.000	48½	x	144½	85.580	4765.04	x	
	60½	x	144	85.580	5195.57	x	
7.000	60	x	144½	98.720	5923.20	x	
8.000	60½	x	144	112.900	6854.17	x	
9.000	57	x	144	129.600	7387.20	x[1]	
10.000	57	x	144	141.100	8042.70	x	
12.000	57	x	120	169.300	8041.75	x	

[1]T6 Temper
See 6061 - T6511 rectangles for numerous "narrow plate" sizes.

ALUMINUM PLATE

7075-T651 and 7075-T7351
Mill Finish - Heat Treatable
AMS QQ-A-250/12 and ASTM B209
BAC 5439, MIL-STD-2154

Sizes in Stock

Decimal Thickness in Inches	Width in Inches		Lenght in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs	7075-T651 AMS 4045[1]	7075-T7351 AMS 4078[1]
.250	48½	x	144½	3.636	176.96	x	
.375	48½	x	144½	5.454	265.44	x	x
.500	48½	x	144½	7.272	353.92	x	x
.625	48½	x	144½	9.090	442.40	x	
.750	48½	x	144½	10.910	530.97	x	x

(Continued)

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DIAMOND TREAD ALUMINUM PLATE

Available in bright reflective finish and mill finish. raised lugs are on approximately 1" center. Opposite side is smooth

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs
	3003,3003-H22[1],3003-H112[2] Trend Brite		
.045	48 x 96	.742	23.74[1]
	48 x 120		29.68[1]
	48 x 144		35.62[1]
	48 x 96	.898	28.74[1]
	48 x 96	.937	29.98[1]
	48 x 144		44.98[1]
	48 x 96	1.008	32.26[1]
	48 x 120		40.32[1]
	48 x 144		48.38[1]
	60 x 96		40.80[1,3]

(Continued)

DIAMOND TREAD ALUMINUM PLATE

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs
(Continued)			
.063	72 x 144		72.58[1]
.072	60 x 192	1.156	92.51[1]
.080	48 x 96	1.280	40.98[1]
	48 x 120		51.22[1]
	48 x 144		61.46[1]
	48 x 192		81.95[1]
	60 x 96		51.20[1]
	60 x 120		64.00[1]
	60 x 144		76.80[1]
	72 x 144		92.16[1]
.100	48 x 96	1.570	50.24[1,3]
	48 x 120		62.80[3]
	48 x 144		75.36[3]
	48 x 192		100.48[1,3]
	60 x 96		62.80[1,3]
	60 x 120		78.50[1,3]
	60 x 144		94.20[1,3]
	60 x 192		125.60[1]
	60 x 192		126.05[1,3]
	72 x 144		113.04[1]
.125	48 x 96	1.920	61.44[1,3]
	48 x 120		76.80[1,3]
	48 x 144		92.16[1,3]
	48 x 180		115.20[1,3]
	48 x 192		122.88[1,3]
	60 x 96		76.80[1,3]
	60 x 120		96.00[1,3]
	60 x 144		115.20[1,3]
	60 x 192		153.60[1,3]
	72 x 144		138.24[1,3]
.188	48 x 96	2.820	90.24[1,3]
	48 x 120		112.80[1,3]
	48 x 144		135.36[1,3]
	48 x 192		180.48[1,3]
	60 x 144		169.20[1,3]
	60 x 192		226.41[1]
	72 x 144		103.04[1,3]
.250	48 x 192	3.700	236.80[1,2,3]
	60 x 192		296.00[1,2,3]
			(Continued)

[3]Also available in H24 temper

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DIAMOND TREAD ALUMINUM PLATE

Sizes in Stock

Decimal Thickness in Inches	Size in Inches	Approx. Wt. per Sq. Ft. in Lbs	Approx. Wt. per Plate in Lbs
(Continued)			
	6061-T6		
.100	48 x 96	1.570	50.24
	48 x 192		100.48
.125	48 x 120	1.900	76.00
.125	48 x 144	1.900	91.20
	48 x 192		121.60
	60 x 144		114.00
	60 x 192		152.00
.188	48 x 144	2.820	135.36
	48 x 192		180.48
	60 x 192		225.60
.250	36 x 144	3.700	133.20
	48 x 120		148.00
	48 x 144		177.60
	48 x 192		236.80
	60 x 192		296.00
.375	48 x 144	5.490	236.52
	48 x 192		351.36
	60 x 192		439.20
	72 x 192		527.04
.500	48 x 192	7.270	465.28
	60 x 192		581.60
	72 x 192		697.92
	5086-H34		
.125	48 x 192	1.858	118.91
	60 x 192		148.64
.188	48 x 92	2.729	174.65
	60 x 192		218.31
.250	60 x 192	3.586	286.88

[3]**Also available in H24 temper**

GUIDE TO SELECTION

ALUMINUM BAR

2011 (UNS A92011) screw machine stock is the best machining aluminum bar stock. Fine chips mean faster feeds and longer tool life. Machines to an excellent finish, has good strength, average formability. AMS QQ-A-225/3 and ASTM B211.

2017 (UNS A92017) screw machine stock has machinability approaching 2011. Particularly suitable for deep drilling operations and parts requiring clean, bright finishes. Formability and corrosion resistance are good. Strength is approximately the same as 2011. Conforms to AMS QQ-A-225/5 and ASTM B211.

2024 (UNS A92024) screw machine stock is slightly more difficult to machine than 2011 or 2017, but has enough strength for aircraft fittings, bolts, fastening devices. AMS QQ-A-225/6 and ASTM B211.

6061 (UNS A96061) is one of the most versatile screw machine alloys with good strength, workability, corrosion resistance and ease of joining. Less machineable than 2000 series. Cold finished rounds and hexes conform to AMS QQ-A-225/8 and ASTM B211. Extruded rounds, squares and rectangles to AMS QQ-A-200/8 and ASTM B211. Most extruded round items are specially ordered to restricted diameter tolerances for ready use in screw machines.

6063 extruded (UNS A96063) for architectural and ornamental applications. Highly corrosion resistant, with good formability, it is one of the most joinable alloys. Finish is pleasing and is the most suitable for anodizing. Conforms to AMS QQ-A-200/9 and ASTM B211.

6262 (UNS A96262) screw machine stock in T6511 temper offers more strength and machinability than 6061. Comes closest to machining characteristics of 2011 yet retains the joining characteristics of 6061. Cold finished conforms to AMS QQ-A-225/10 and ASTM B211. Extruded to AMS QQ-A-200/10 and ASTM B211.

7075 (UNS A97075) provides the greatest strength available in aluminum bar. Widely used in aircraft applications where light weight plus strength are required. Conforms to AMS QQ-A-225/9 and ASTM B211.

(Continued)

GUIDE TO SELECTION

5086 extruded (UNS A95086) used in marine industry. Offers resistance to stress corrosion and superior resistance to atmospheric corrosion, plus good formability and strength. Conforms to AMS QQ-A-200/5 and ASTM B211.

BAR COMPARISON GUIDE
(Based on 1″ round)

Alloy	Machinability	Minimum Strength in KSI		Corrosion Resistance
		Ultimate	Yield	
2011-T3	A++	45	38	C
6262-T6511	B	42	35	A
2017-T4, T451	A	55	32	C
2024-T4, T351	A	62	42	C
6061-T6-T651	B	42	35	A
7075-T6, T651	A	77	66	C
6063-T6	C	30	25	A
6063-T5	D	21	15	A

ALUMINUM ROUND BARS

2011-T3
Cold Finished Screw Machine Stock
CF to AMS QQ-A225/3 and ASTM B211
Extruded to ASTM B211

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	Size in Inches	Approx. Wt. per Ft. in Lbs
1/8	.0151	1 3/8	1.814
5/32	.0234	1 7/16	1.983
3/16	.0337	1 1/2	2.159
7/32	.0460	1 9/16	2.343
15/64	.0527	1 5/8	2.534
1/4	.0600	1 3/4	2.939
17/64	.0677	1 13/16	3.152
9/32	.0759	1 7/8	3.373
5/16	.0937	1 15/16	3.602
11/32	.1134	2	2.838
3/8	.1349	2 1/16	4.082
25/64	.1410	2 1/8	4.333
7/16	.1837	2 3/16	4.592
15/32	.2109	2 1/4	4.858
1/2	.2398	2 5/16	5.132
17/32	.2707	2 3/8	5.413
9/16	.3036	2 1/2	5.997
19/32	.3383	2 9/16	6.301
5/8	.3748	2 5/8	3.312
21/32	.4132	2 3/4	7.257
11/16	.4535	2 7/8	7.932
3/4	.5398	3	8.636
25/32	.5856	3 1/8	9.371
13/16	.6335	3 1/4	10.14
7/8	.7347	3 1/2	11.76
15/16	.8434	3 3/4	13.49
1	.9596	4	15.35
1 1/32	1.020	4 1/4	17.33[1]
1 1/16	1.083	4 1/2	19.43[1]
1 1/8	1.214	4 3/4	21.65[1]
1 3/16	1.353	5	23.99[1]
1 1/4	1.499	5 1/8	25.20[1]
1 9/32	1.575	5 1/4	26.45[1]
1 5/16	1.653	6 1/4	37.48[1]

[1]T451 Temper.

ALUMINUM ROUND BARS

2017
Cold Finished Screw Machine Stock
AMS QQ-A-225/5, ASTM B211 and AMS 4118
Extruded Bars to ASTM B221
Stock Lenghts: 12 Ft. through 4 1/2" round
8-12 ft. over 4 1/2" round

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	2017 T451	2017 T4
3/16	.0334		x
1/4	.0594		x
5/16	.0928		x
3/8	.1336		x
1/2	.2375		x
5/8	.3712		x
3/4	.5346	x	
7/8	.7276	x	
1	.9504	x	
1 1/8	1.203	x	
1 1/4	1.485	x	
1 3/8	1.797	x	
1 1/2	2.138	x	
1 3/4	2.910	x	
1 7/8	3.341	x	
2	3.802	x	
2 1/8	4.291	x	
2 1/4	4.811	x	
2 3/8	5.361	x	
2 1/2	5.940	x	
2 5/8	6.549	x	
2 3/4	7.187	x	
2 7/8	7.855	x	
3	8.553	x	
3 1/8	9.281	x	
3 3/8	10.72	x	
3 1/2	11.64	x	
3 5/8	12.51	x	
3 3/4	13.36	x	
4	15.21	x	
4 1/4	17.17	x	
4 1/2	19.24	x	
4 3/4	21.44	x	
5	23.76	x	
5 1/4	26.19	x	
5 1/2	28.84	x	
6	34.21	x	
7	46.57	x	

ALUMINUM ROUND BARS

2024
Cold Finished Screw Machine Stock
AMS QQ-A-225/6, ASTM B211 and AMS 4120
Extruded Bars to ASTM B221
Stock Lenghts: 12 Ft. through 4 1/2" round
8-12 ft. over 4 1/2" round

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	2024 T3511	2024 T351	2024 T4
3/16	.0330			x
1/4	.0589			x
5/16	.0919			x
3/8	.1323			x
7/16	.1801			x
1/2	.2352			x
9/16	.2977			x
5/8	.3676			x
11/16	.4448			x
3/4	.5294		x	
13/16	.6213		x	
7/8	.7205		x	
15/16	.8272		x	
1	.9412		x	
1 1/16	1.062		x	
1 1/8	1.191		x	
1 3/16	1.327		x	
1 1/4	1.471		x	
1 5/16	1.621		x	
1 3/8	1.779		x	
1 7/16	1.945		x	
1 1/2	2.110		x	
1 9/16	2.298		x	
1 5/8	2.485		x	
1 3/4	2.882		x	
1 7/8	3.309		x	
2	3.765		x	
2 1/8	4.250		x	
2 1/4	4.765		x	
2 3/8	5.309		x	
2 1/2	5.882		x	
2 5/8	6.485		x	
2 3/4	7.117		x	
2 7/8	7.779		x	
3	8.470		x	
3 1/8	9.191		x	
3 1/4	9.941		x	
3 3/8	10.72		x	
3 1/2	11.53		x	
3 3/4	13.23		x	
4	15.06		x	
4 1/4	17.00		x	

(Continued)

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ALUMINUM ROUND BARS

2024
Cold Finished Screw Machine Stock
AMS QQ-A-225/6, ASTM B211 and AMS 4120
Extruded Bars to ASTM B221
Stock Lenghts: 12 Ft. through 4 1/2" round
8-12 ft. over 4 1/2" round

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	2024 T3511	2024 T351	2024 T4
(Continued)				
4 1/2	19.06		x	
4 3/4	21.23		x	
5	23.53		x	
5 1/4	25.94		x	
5 1/2	28.56		x	
6	33.88		x	
6 1/4	36.76		x	
6 1/2	39.76		x	
7	46.12			
7 1/4	49.47			x
7 1/2	52.94			x
7 3/4	56.53			x
8	60.23			x
8 1/2	67.99	x[1]		

[1]Extruded T3511 Temper.

ALUMINUM ROUND BARS

6061
Cold Finished Screw Machine Stock
AMS QQ-A-225/8, ASTM B211 and AMS 4117
CF SSMS AMS QQ-A-225/8, ASTM B211
Extruded: AMS QQ-A-200/8, ASTM B221 and AMS 4173
Stock Lenghts: 12 Ft. through 4 1/2" round.
8-12 ft. over 4 1/2" round.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	CF 6061 T6	CF 6061 T651	Extr. 6061 T6511	Extr. 6061 T6
1/8	.0145	x	x		
5/32	.0226			x	
3/16	.0324	x	x	x	
1/4	.0577	x	x	x	
5/16	.0901	x	x	x	
3/8	.1297	x	x	x	
7/16	.1766	x	x		
1/2	.2306	x	x	x	
9/16	.2919	x	x	x	

(Continued)

ALUMINUM ROUNDS

6061
Cold Finished Screw Machine Stock
AMS QQ-A-225/8, ASTM B211 and AMS 4117
CF SSMS AMS QQ-A-225/8, ASTM B211
Extruded: AMS QQ-A-200/8, ASTM B221 and AMS 4173
Stock Lenghts: 12 Ft. through 4 1/2" round.
8-12 ft. over 4 1/2" round.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	CF 6061 T6	CF 6061 T651	Extr. 6061 T6511	Extr. 6061 T6
(Continued)					
5/8	.3604	x	x	x	
11/16	.4361	x	x		
3/4	.5190	x	x	x	
13/16	.6091	x	x		
7/8	.7064	x	x	x	
15/16	.8110		x	x	
1	.9227		x	x	
1 1/16	1.042			x	
1 1/8	1.168			x	
1 3/16	1.301		x		
1 1/4	1.442		x	x	
1 5/16	1.590		x	x	
1 3/8	1.745		x	x	
1 7/16	1.907		x		
1 1/2	2.076		x	x	
1 9/16	2.253		x		
1 5/8	2.436		x	x	
1 3/4	2.826		x	x	
1 13/16	3.031		x		
1 7/8	3.244		x	x	
2	3.691		x	x	
2 1/8	4.166		x	x	
2 1/4	4.671		x	x	
2 3/8	5.205		x	x	
2 1/2	5.767		x	x	
2 9/26	6.059		x		
2 5/8	6.358			x	
2 3/4	6.978		x	x	
2 7/8	7.634			x	
3	8.304		x	x	
3.052/3.072	8.650			x	
3 1/8	9.011			x	
3 1/4	9.746		x	x	
3 3/8	10.52			x	
3 1/2	11.30		x	x	
3 5/8	12.14			x	
3 3/4	12.98		x	x	
4	14.76		x	x	
4.068/4.102	15.40			x	

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ALUMINUM ROUNDS

6061
Cold Finished Screw Machine Stock
AMS QQ-A-225/8, ASTM B211 and AMS 4117
CF SSMS AMS QQ-A-225/8, ASTM B211
Extruded: AMS QQ-A-200/8, ASTM B221 and AMS 4173
Stock Lenghts: 12 Ft. through 4 1/2" round.
8-12 ft. over 4 1/2" round.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	CF 6061 T6	CF 6061 T651	Extr. 6061 T6511	Extr. 6061 T6
(Continued)					
4 1/8	15.72			x	
4 1/4	16.67		x	x	
4 1/2	18.68		x	x	
4 5/8	19.74			x	
4 3/4	20.82		x	x	
5	23.07		x	x	
5 1/8	24.26			x	
5 1/4	25.43		x	x	
5 1/2	28.00		x	x	
5 3/4	30.51			x	
6	33.22		x	x	
6 1/8	34.65			x	
6 1/4	36.04			x	
6 1/2	38.98		x	x	
6 3/4	42.04			x	
7	45.21		x	x	
7 1/2	51.90		x	x	
8	59.05		x	x	
8 1/8	60.97			x	
8 1/2	66.66			x	
9	74.74				x
10.130	94.68				x
11	111.6				x
12 1/8	144.2				x

ALUMINUM ROUND BARS

6062
Cold Finished Screw Machine Stock
AMS QQ-A-225/10 and ASTM B211
Extruded: ASTM B221
Stock Lenghts: 12 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	Extra CF 6262 T6511	CF 6262 T9
1/2	.2306	x	x
1 3/8	1.745	x	
2	3.691	x	
2 1/8	4.166	x	
2 1/4	4.671	x	
2 1/2	5.775	x	
2 3/4	6.978	x	
3	8.304	x	

ALUMINUM ROUND BARS

7075
Cold Finished: AMS QQ-A-225/9, ASTM B211 and AMS 4123 (through 4" diameter)
Stock Lengths: 12 Ft. through 4 1/2" round

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	7075-T6 Extruded CF7075-T6	7075-T651 CF7075-T651	7075-T6511 Extruded
3/8	.1336	x		
7/16	.1819	x		
1/2	.2375	x		
5/8	.3712	x		
3/4	.5346		x	
7/8	.7276		x	
1	.9504		x	
1 1/8	1.230		x	
1 1/4	1.485		x	
1 3/8	1.797		x	
1 1/2	2.138		x	
1 5/8	2.509		x	
1 3/4	2.910		x	
1 7/8	3.341		x	
2	3.802		x	
2 1/8	4.291		x	x
2 1/4	4.811		x	
2 3/8	5.361		x	x
2 1/2	5.940		x	

(Continued)

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ALUMINUM ROUND BARS

7075
Cold Finished: AMS QQ-A-225/9, ASTM B211 and AMS 4123 (through 4" diameter)
Stock Lengths: 12 Ft. through 4 1/2" round

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	7075-T6 CF7075-T6	7075-T6 Extruded	7075-T651 CF7075-T651	7075-T6511 Extruded
(Continued)					
2 3/4	7.187			x	x
3	8.553			x	x
3 1/4	10.04			x	
3 1/2	11.64			x	x
4	15.21			x	
4 1/2	19.24			x	
4 1/4	21.44			x	
5	23.76		x	x	
5 1/4	26.19			x	
6	34.21		x	x	
6 1/2	40.15		x		
7	46.57		x		
8	60.82			x	

T6 Temper - AMS 4122.
Also stocked T6511 Extruded.
Also stocked T6 Extruded.
T6 Extruded

ALUMINUM SQUARE BARS

2024-T351
Cold Finished
AMS QQ-A-225/6, ASTM B211 and AMS 4120
2024-T3511 Extruded
ASTM B221 and AMS 4165
Stock Lengths: 12 Ft. through 2"
8/12 Ft. over 2"

Sizes in Stock

T351/T3511 Size in Inches	Approx. Wt. per Ft. in Lbs	T351/T3511 Size in Inches	Approx. Wt. per Ft. in Lbs
3/8	.1685	1 3/4	3.670
1/2	.2996	2	4.793
5/8	.4681	2 1/4	6.075
3/4	.6740	2 1/2	7.500
7/8	.9174	2 3/4	9.062
1	1.198	3	10.80
1 1/8	1.517	3 1/4	12.66
1 1/4	1.872	3 1/2	14.70
1 1/2	2.696	4	19.17

ALUMINUM SQUARE BARS

6061 and 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T5 Extr.
1/4	.0735	x	x
5/16	.1148	x	
3/8	.1656	x	x
1/2	.2940	x	x
5/8	.4586	x	x
3/4	.6595	x	x
7/8	.8994	x	
1	1.176	x	x
1 1/8	1.489	x	
1 1/4	1.838	x	x
1 1/2	2.646	x	x
1 3/4	3.598	x	
2	4.704	x	x
2 1/4	5.947	x	
2 1/2	7.343	x	
2 3/4	8.884	x	
3	10.57	x	
3 1/2	14.39	x	
4	18.80	x	
5	29.37	x	
6	42.34	x	

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ALUMINUM FLAT BAR RECTANGLES

2024
Cold Finished
AMS QQ-A-225/6, ASTM B211 and AMS 4120
Extruded ASTM B221 and AMS 4120
Stock Lengths: 12 Ft.

Sizes in Stock

Size in Inches			Approx. Wt. per Ft. in Lbs	2024-T351	2024-T4
1/8	x	1	.1500		x
		2	.3000		x
3/16	x	1/2	.1123		x
		1 1/2	.3370		x
1/14	x	1/2	.1498		x
		3/4	.2247		x
		1	.2996		x
		1 1/4	.3744		x
		1 1/2	.4494		x
1/14	x	1 3/4	.5243		x
		2	.5991		x
		2 1/2	.7490		x
		3	.8987		x
		4	1.198		x
5/16	x	1 1/2	.5615		x
		2	.7490		x
3/8	x	5/8	.2808		x
		3/4	.3370		x
		1	.4494		x
		1 1/4	.5617		x
		1 1/2	.6740		x
		2	.88987		x
		2 1/2	1.123		x
		3	1.348		x
		3 1/4	1.460	x	
		4	1.800		x
		4 1/2	2.025		x
		6	2.700		x
1/2	x	3/4	.4494		x
		1	5991	x	
		1 1/4	.7489	x	
		1 1/2	.8987	x	
1/2	x	1 3/4	1.049	x	
		2	1.198	x	
		2 1/2	1.498	x	
		3	1.797	x	
		3 1/4	1.947	x	
		4	2.397	x	
		6	3.600	x	
5/8	x	3/4	.5617	x	
		1	.7489	x	
		1 1/4	.9362	x	

(Continued)

[1]Stock Lengths: 8/12 Ft.

ALUMINUM FLAT BAR RECTANGLES

2024
Cold Finished
AMS QQ-A-225/6, ASTM B211 and AMS 4120
Extruded ASTM B221 and AMS 4120
Stock Lengths: 12 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	2024-T351	2024-T4
(Continued)			
5/8 x 1 1/2	1.123	x	
2	1.498	x	
3/4 x 1	.8987	x	
1 1/4	1.123	x	
1 1/2	1.348	x	
1 3/4	1.573	x	
2	1.797	x	
2 1/2	2.247	x	
3	2.696	x	
3 1/2	3.145	x	
4	3.594	x	
5	4.494	x	
6	5.400[2]	x	
1 x 1 1/4	1.498	x	
1 1/2	1.797	x	
1 3/4	2.097	x	
2	2.397	x	
2 1/2	2.996	x	
3	3.595	x	
1 x 3 1/2	4.193[2]	x	
4	4.800[2]	x	
6	7.200[2]	x	
1 1/4 x 1 1/2	2.203	x	
2	3.000	x	
2 1/2	3.744	x	
3	4.541[2]	x	
1 1/2 x 2	3.600	x	
2 1/2	4.500[2]	x	
3	5.400[2]	x	
4	7.049	x	
6	10.780[2]	x	
1 3/4 x 2	4.193[2]	x	
3	6.290[2]	x	
4	8.388[2]	x	
6	12.580[2]	x	
2 x 2 1/4	5.391[2]	x	
2 1/2	6.000[2]	x	
3	7.200[2]	x	
4	9.584[2]	x	
6	14.380[2]	x	

(Continued)

[1]Stock Lengths: 8/12 Ft.

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ALUMINUM FLAT BAR RECTANGLES

2024
Cold Finished
AMS QQ-A-225/6, ASTM B211 and AMS 4120
Extruded ASTM B221 and AMS 4120
Stock Lengths: 12 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	2024-T351	2024-T4
(Continued)			
1 1/2 x 3	9.000[2]	x	
4	11.980[2]	x	
4 1/2	13.480[2]	x	
3 x 4	14.110[2]	x	
5	17.970[2]	x	
6	21.600[2]	x	
4 x 5	23.970[2]	x	
6	28.760[2]	x	

[1]Stock Lengths: 8/12 Ft.

ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
1/8 x 3/8	.0546		X	X
1/2	.0745	X	X	X
5/8	.0909		X	X
3/4	.1098		X	X
1	.1470	X	X	X
1 1/4	.1833		X	X
1 1/2	.2215	X	X	X
1 3/4	.2546		X	X
2	.2940	X	X	X
2 1/2	.3671		X	
3	.4410	X		X
3 1/2	.5140		X	

(Continued)

Tolerances are tighter than standard bar. Weights vary slightly from this table

ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
(Continued)				
1/8 x 4	.5880		x	
5	.7342		x	
3/16 x 1/2	.1107		x	x
5/8	.1364		x	x
3/4	.1656	x	x	x
1	.2215	x	x	x
1 1/4	.2754	x	x	x
1 1/2	.3303	x	x	x
2	.4410	x	x	x
2 1/2	.5507	x	x	x
3	.6608	x		
1/4 x 1/2	.1470	x	x	x
5/8	.1842		x	x
3/4	.2215	x	x	x
1	.2940	x	x	x
1 1/4	.3685	x	x	x
1 1/2	.4410	x	x	x
1 3/4	.5155	x	x	x
2	.5704	x	x	x
2 1/4	.6608		x	
2 1/2	.7350	x	x	x
3	.8820	x	x	x
3 1/2	1.028	x	x	
4	1.141	x	x	x
4 1/2	1.322	x		
5	1.469	x		
6	1.762	x	x	
7	2.056	x		
8	2.350	x		
10	2.937	x		
12	3.524	x		
5/16 x 1	.3675	x		
1 1/4	.4589	x		
1 1/2	.5504	x		
2	.7134	x		
2 3/4	1.011	x		

(Continued)

Tolerances are tighter than standard bar. Weights vary slightly from this table

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ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
(Continued)				
5/16 x 3	1.101	x		
5	1.788	x		
3/8 x 1/2	.2250	x	x	x
5/8	.2728		x	x
3/4	.3312	x	x	x
1	.4410	x	x	x
1 1/4	.5498	x		
1 1/2	.6605	x	x	x
1 3/4	.7710	x		
2	.8820	x	x	x
2 1/2	1.101	x		
2 3/4	1.212	x		
3	1.323	x	x	x
3 1/2	1.542	x		
4	1.764	x		
5	2.203	x		
6	2.643	x		
8	3.524	x		
10	4.406	x		
12	5.287	x		
7/16 x 2 1/2	1.285	x		
3	1.542	x		
1/2 x 3/4	.4400	x	x	x
1	.5880	x	x	x
1 1/4	.7350	x	x	x
1 1/2	.8644	x	x	x
1 3/4	1.028	x		
2	1.176	x	x	x
2 1/2	1.485	x	x	x
3	1.764	x	x	x
3 1/2	2.056	x		
4	2.348	x		
4 1/2	2.643	x		
5	2.937	x		
5 1/2	3.231	x		
6	3.528	x		

(Continued)

Tolerances are tighter than standard bar. Weights vary slightly from this table

ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
(Continued)				
1/2 x 8	4.704	x		
10	5.874	x		
12	7.049	x		
14	8.224	x		
5/8 x 1	.7340	x		
1 1/4	.9173	x		
5/8 1 1/2	1.103	x		
2	1.470	x		
2 3/4	2.019	x		
3	2.203	x		
5	3.671	x		
3/4 x 1	.881	x	x	x
1 1/4	1.103	x		
1 1/2	1.294	x	x	x
1 3/4	1.542	x		
2	1.764	x	x	x
2 1/2	2.201	x		
3	2.646	x		
3 1/2	3.087	x		
4	3.522	x		
4 1/2	3.965	x		
5	4.406	x		
6	5.292	x		
12	10.57	x		
7/8 x 3 1/8	3.212	x		
1 x 1 1/4	1.469	x		
1 1/2	1.782	x		
1 3/4	2.056	x		
2	2.352	x	x	x
2 1/2	2.937	x		
3	3.528	x		
3 1/2	4.112	x		
4	4.704	x		
5	5.874	x		
6	7.056	x		
7	8.224	x		

(Continued)

Tolerances are tighter than standard bar. Weights vary slightly from this table

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ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches	Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
(Continued)				
1 x 8	9.398	x		
10	11.75	x		
12	14.10	x		
14	16.45	x		
1 1/4 x 1 1/2	2.203	x		
2	2.940	x		
2 1/2	3.671	x		
3	4.406	x		
3 3/4	5.507	x		
1 1/4 x 4	5.874	x		
4 1/2	6.608	x		
5	7.343	x		
5 1/2	8.077	x		
1 1/2 x 2	3.528	x		
2 1/2	4.406	x		
3	5.292	x		
4	7.049	x		
5	9.000	x		
5 1/2	9.692	x		
6	10.57	x		
6 1/2	11.45	x		
8 1/2	14.98	x		
12	21.15	x		
14	24.70	x		
1 3/4 x 3 3/4	7.710	x		
4 1/2	9.252	x		
5 1/2	11.31	x		
2 x 2 1/2	5.874	x		
3	7.056	x		
4	9.398	x		
5	11.75	x		
6	14.10	x		
6 1/2	15.27	x		
8 1/2	19.97	x		
14	32.90	x		
2 1/4 x 14	37.01	x		

(Continued)

Tolerances are tighter than standard bar. Weights vary slightly from this table

ALUMINUM FLAT BAR RECTANGLES

6061 & 6063
Extruded
6061: AMS QQ-A-200/8, ASTM B221
6063: AMS QQ-A-200/9, ASTM B221
Also: 6061-T6 ASTM B221,
AMS 4173, 6061-T6511
ASTM B221, AMS 4173
Stock Lengths: 6061 - 12Ft.
6063 - 16 Ft.

Sizes in Stock

Size in Inches			Approx. Wt. per Ft. in Lbs	6061 T6511 Extr.	6063 T52 Extr.	6063-T5 Extr.
(Continued)						
2 1/2	x	3	8.811	x		
		3 1/2	10.28	x		
		4	11.75	x		
		4 1/2	13.22	x		
		5	14.69	x		
3	x	3 1/2	12.34	x		
		4	14.10	x		
		4 1/2	15.86	x		
		5	17.61	x		
		6	21.15	x		
3 1/2	x	5	20.55	x		
4	x	5	23.50	x		
		6	28.20	x		
4 1/2	x	6	31.75	x		

Tolerances are tighter than standard bar. Weights vary slightly from this table

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ALUMINUM RECTANGULAR BUS CONDUCTOR

6101-T61
ASTM B317
Round Corners
Interleaved and Fibre Boxed

Sizes in Stock

Size in Inches			Weight per Ft. in Lbs	12' Bar Weight	20' Bar Weight
1/4	x	1	.2910	3.492	
		1	.4365	5.238	
		2	.5820		11.640
		3	.8730		17.460
		4	1.1640		23.280
		5	1.4550		29.100
		6	1.7460		34.920
3/8	x	2	.8730		17.460
		3	1.3095		26.190
		4	1.7460		34.920
		5	2.1825		43.650
		6	2.6190		52.380
		10	4.3650		87.300
1/2	x	3	1.7460		34.920
		4	2.3280		46.560
		5	2.9100		58.200
		6	3.4920		69.840
		8	4.650		93.120

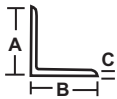
ALUMINUM STRUCTURAL SHAPES

The user of aluminum structural shapes may choose from as many as three different cross sections:

AMERICAN STANDARD - Similar in cross section to rolles steel angles, channels and beams - with traditional tapered flanges, rounded ends.

ALUMINUM ASSOCIATION - Flanges are straight instead of tapered and thicker than the web. This results in easier joinin, improved section properties.

SHARP CORNER - Flanges and webs are uniformly thick and all corners are sharp, with nearly invisible radii.



ALUMINUM ANGLES

6061-T6
Extruded - American Standard
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Flange in Inch. (A)		Stem in Inch. (B)		Stem Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
3/4	x	3/4	x	1/8	.201
1	x	1	x	1/8	.275
				3/16	.400
				1/4	.514
1 1/4	x	1 1/4	x	1/8	.343
				3/16	.510
				1/4	.656
1 1/2	x	1 1/4	x	1/8	.387
				3/16	.566
1 1/2	x	1 1/2	x	1/8	.423
				3/16	.619
				1/4	.809
1 3/4	x	1 1/4	x	1/8	.421
				3/16	.621
1 3/4	x	1 3/4	x	1/8	.497
				3/16	.731
				1/4	956
2	x	1	x	1/8	.431
2	x	1 1/2	x	1/8	.496
				3/16	.731
				1/4	.956
2	x	2	x	1/8	.577
				3/16	.850
				1/4	1.110
				5/16	1.364
2	x	2	x	3/8	1.606
2 1/2	x	1 1/2	x	3/16	.805
2 1/2	x	2	x	3/16	.961
				1/4	1.257
2 1/2	x	2 1/2	x	3/16	1.070
				1/4	1.404
2 1/2	x	2 1/2	x	5/16	1.729
				3/8	2.047
3	x	1	x	1/8	.581
3	x	2	x	3/16	1.071
				1/4	1.403
				3/8	2.046
3	x	2	x	1/4	1.537
3	x	3	x	3/16	1.275
				1/4	1.684
				5/16	2.082
				3/8	2.474

(Continued)

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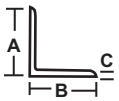
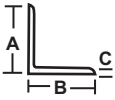


ALUMINUM ANGLES

6061-T6
Extruded - American Standard
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Flange in Inch. (A)	Stem in Inch. (B)	Stem Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.	Flange in Inch. (A)	Stem in Inch. (B)	Stem Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
(Continued)							
3	3	1/2	3.227	4 x	4	1/2	4.414
3 1/2 x	2 1/2 x	1/4	1.684	5 x	3 x	1/4	2.292
3 1/2 x	3 1/2 x	1/4	1.989			3/8	3.349
		3/8	2.926	5 x	3 1/2 x	1/2	4.704
		1/2	3.826	5 x	5 x	3/8	4.237
4 x	3 x	1/4	1.988	6 x	4 x	1/2	5.578
		3/8	2.926			3/8	5.119
4 x	4 x	1/4	2.283	6 x	6 x	1/2	6.754
	1	3/8	3.366	8 x	8 x	1/2	9.141



ALUMINUM ANGLES

6063-T52
Extruded - Sharp Corners Inside and Out
AMS QQ-A-200/9 and ASTM B221
Stock Lengths: 16 Ft.

Sizes in Stock

Flange in Inch. (A)	Stem in Inch. (B)	Stem Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.	Flange in Inch. (A)	Stem in Inch. (B)	Stem Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
1/2 x	1/2 x	1/16	.068	1 1/2 x	1 1/2 x	1/8	.422
		1/8	.128			3/16	.619
5/8 x	5/8 x	1/8	.166			1/4	.808
3/4 x	3/4 x	1/16	.107	1 3/4 x	1 3/4 x	1/8	.496
		1/8	.202	2 x	1 x	1/8	.422
1 x	1/2 x	1/8	.202	2 x	1 1/2 x	3/16	.731
1 x	3/4 x	1/8	.239	2 x	2 x	1/8	.569
1 x	1 x	1/16	.141			3/16	.841
		1/8	.275			1/4	1.102
		3/16	.400	2 1/2 x	1 1/2 x	1/8	.577
1 1/4 x	1/2 x	1/8	.239	2 1/2 x	2 1/2 x	1/8	.724
1 1/4 x	1 1/4 x	1/8	.348	3 x	2 x	1/8	.731
		3/16	.511	3 x	3 x	3/16	1.275
1 1/2 x	3/4 x	1/8	.313			1/4	1.684
1 1/2 x	1 x	1/8	.349	3 1/2 x	1 1/4 x	1/8	.680

ALUMINUM CHANNELS

6061-T6
Extruded - American Standard
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Depth in Inch. (A)	Web Thick in Inch. (C)	Flange Width in Inch. (B)	Radius	Fillet	Approx. Wt. per Ft. In Lbs.
3	.170	1.41	.270	.100	1.42
3	.258	1.50	.270	.100	1.73
3	.356	1.60	.270	.100	2.07
4	.180	1.58	.280	.110	1.85
4	.247	1.65	.280	.110	2.16
4	.320	1.72	.280	.110	2.50
5	.190	1.75	.290	.110	2.32
5	.325	1.89	.290	.110	3.11
6	.200	1.92	.300	.120	2.88
6	.225	1.95	.300	.120	3.00
6	.314	2.03	.300	.120	3.63
8	.250	2.29	.320	.130	4.25

ALUMINUM CHANNELS

6061-T6
Extruded - Aluminum Association
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Depth in Inch. (A)		Web Thick in Inch. (D)	Flange Width in Inch. (B)	Flange Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
2	x	.130	1.00	.13	.577
2	x	.170	1.25	.26	1.070
3	x	.130	1.50	.20	1.140
3	x	.170	1.75	.26	1.600
4	x	.150	2.00	.23	1.740
4	x	.190	2.25	.29	2.330
5	x	.150	2.25	.26	2.210
5	x	.190	2.75	.32	3.090
6	x	.170	2.50	.29	2.830
6	x	.210	3.25	.35	4.030
7	x	.170	2.75	.29	3.210
7	x	.210	3.50	.38	4.720
8	x	.190	3.00	.35	4.150
8	x	.250	3.75	.41	5.790
9	x	.230	3.25	.35	4.980
10	x	.250	3,50	.41	6.140
10	x	.310	4.25	.50	8.360
12	x	.290	4.00	.47	8.270
12	x	.350	5.00	.62	11.820

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ALUMINUM CHANNELS

6063-T52
Extruded - Sharp Corner
AMS QQ-A-200/9 and ASTM B221
Stock Lengths: 16 Ft.

Sizes in Stock

Depth in Inch. (A)		Flange Width in Inch. (B)		Flange Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
1/2	x	3/8	x	1/8	.147
1/2	x	1/2	x	3/32	.145
1/2	x	3/4	x	1/8	.258
5/8	x	5/8	x	1/8	.239
3/4	x	3/8	x	1/8	.183
3/4	x	3/4	x	1/8	.294
1	x	1/2	x	1/8	.258
1	x	1	x	1/8	.405
1 1/4	x	1/2	x	1/8	.294
1 1/4	x	1 1/4	x	1/8	.516
1 1/2	x	1/2	x	1/8	.330
1 1/2	x	1 1/2	x	1/8	.477[1]
1 3/4	x	3/4	x	1/8	.441
1 3/4	x	1	x	1/8	.516
2	x	1/2	x	1/8	.405
2	x	1	x	1/8	.552
2	x	2	x	1/8	.846
2	x	2	x	1/8	1.634
2 1/4	x	7/8	x	1/8	.552
2 1/2	x	1 1/2	x	1/8	.771
3	x	1/2	x	1/8	.552
3	x	1	x	1/8	.699
3	x	1 1/2	x	3/16	1.243
5	x	2	x	3/16	1.906

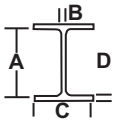
[1]T6 Temper

ALUMINUM BEAMS

6061-T6
Extruded - American Standard
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Depth in Inch. (A)		Web Thick in Inch. (C)	Flange Width in Inch. (B)	Radius	Fillet	Type	Approx. Wt. per Ft. In Lbs.
3	x	.170	3.22	.270	.100	I-BEAM	1.963
4	x	.190	2.66	.290	.110	I-BEAM	2.644
5	x	.210	3.00	.310	.130	I-BEAM	3.430
6	x	.230	3.33	.310	.140	I-BEAM	4.302
8	x	.270	4.00	.370	.160	I-BEAM	6.348

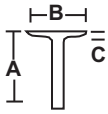


ALUMINUM BEAMS

6061-T6
Extruded - Aluminum Association
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Depth in Inch. (A)		Web Thick in Inch. (B)	Flange Width in Inch. (C)	Flange Thick in Inch. (D)	Approx. Wt. per Ft. In Lbs.
3	x	.130	2.50	.20	1.637
3	x	.150	2.50	.26	2.030
4	x	.150	3.00	.23	2.311
4	x	.170	3.00	.29	2.793
5	x	.190	3.50	.32	3.700
6	x	.190	4.00	.29	4.030
6	x	.210	4.00	.35	4.692
7	x	.230	4.50	.38	5.800
8	x	.230	5.00	.35	6.181
8	x	.250	5.00	.41	7.023
9	x	.270	5.50	.44	8.361
10	x	.250	6.00	.41	8.646
10	x	.290	6.00	.50	10.29
12	x	.310	7.00	.62	14.29



ALUMINUM TEES

6061-T6
Extruded - American Standard
AMS QQ-A-200/16 and ASTM B308
Stock Lengths: 25 Ft.

Sizes in Stock

Depth in Inch. (A)		Flange Width in Inch. (B)		Flange Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
1 1/2	x	1 1/2	x	1/4	.805
2	x	2	x	1/4	1.259

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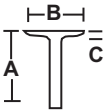

ALUMINUM TEES

6063-T52
Extruded - Sharp Corner
AMS QQ-A-200/9 and ASTM B221
Stock Lengths: 16 Ft.

Sizes in Stock

Depth in Inch. (A)		Flange Width in Inch. (B)		Flange Thick in Inch. (C)	Approx. Wt. per Ft. In Lbs.
3/4	x	3/4	x	1/8	.202
1	x	1	x	1/8	.274
1 1/4	x	7/8	x	1/8	.294
2	x	3/4	x	1/8	.386
2	x	2	x	1/4	1.103[1]

[1]20 ft. lengths.

GUIDE TO SELECTION

ALUMINUM TUBING AND PIPE

EXTRUDED TUBE & PIPE, formed by hot extruding through a die, is available as a seamless or structural grade product. Seamless is extruded over a mandrel utilizing a hollow billet and is the only tubular product recommended for pressure applications. The structural product is extruded over a bridge or porthole die and will contain weld seams that are evident if anodized. Ryerson Tull stocks seamless pipe and tube in standard inventory sizes. Structural products for non-critical applications are available on inquiry.

DRAWN TUBE, a seamless extruded tube is brought to final size by drawing through a die. Closer size tolerances and thinner wall thicknesses than that of extruded tube are available.

NON-HEAT TRATABLE ALLOYS

3003 (UNS A93003) Drawn tube has excellent resistance to chemical attack and is a frequent choice in the manufacture and design of chemical equipment. Workability and weldability are excellent. Meets Federal specification WW-T-700/2 and ASTM B210. 3003-H14 drawn tube conforms to AMS 4067.

HEAT TRATABLE ALLOYS

2011 (UNS A92011) extruded seamless tube for hollow screw machine parts. Where the machinability of 2011 is desired and the metal removal from solid bar stock is great, hollow 2011 screw machine stock can often be the most cost effective way to produce the part. Produced to ASTM B-210.

2024 (UNS A92024) drawn seamless tubing for superior strength tubular applications. 2024-13 drawn tube conforms to Federal specification WW-T-700/3, Type 1 as well as ASTM B210.

6061 (UNS A96061) tubing and pipe, with approximately double the strength of 3003-H14, has widespread mechanical application. 6061 has good workability and corrosion resistance and is readily weldable by all methods. 6061-16 drawn tube conforms to Federal specification WW-T-700/6, ASTM B210, and AMS 4082. 6061-16 extruded seamless tube conforms to QQ-A-200/8, ASTM B221, and AMS 4150. 6061-16 seamless pipe conforms to MIL-P-25995.

6063 (UNS A96063) tubing and pipe is highly corrosion resistant with good workability and weldability. Finish is pleasing and is suitable for anodizing. Used primarily for architectural applications. (drawn tube 1832 used for furniture applications.) 6063-1832 drawn tube conforms to QQ-A-200/9. 6063-16 seamless pipe conforms to MIL-P-25995.

Weight Conversion Factors

	1110 3004	6061 6063	3003 3005	5086
Conversion Factors:	1.00 (.098)	1.00 (.098)	1.01 (.099)	0.979 (0.096)

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ALUMINUM ROUND PIPES

6061 and 6063
Extruded - Seamless
Schedule 40 & 80 - Standard IPS
MIL-P-25995, ASTM B241
Stock Lengths: 20 Ft.

Sizes in Stock

Nom. Pipe Size in Inches	Approx. Wt. per Ft. in Lbs.	O.D. in Inches	I.D. in Inches	Avg. Wall Thickness in Inches	6061-T6	6063-T6
SCHEDULE 40						
1/8	.085	.450	.269	.068	x	
1/4	.147	.540	.364	.088	x[1]	
1/2	.293	.840	.622	.109	x	x
3/4	.391	1.050	.824	.113	x	x
1	.581	1.315	1.049	.133	x	x
1 1/4	.786	1.660	1.380	.140	x	x
1 1/2	.940	1.900	1.610	.145	x	
2	1.264	2.375	2.067	.154	x	x
2 1/2	2.004	2.875	2.469	.203	x	
3	2.621	3.500	3.068	.216	x	x
3 1/2	3.151	4.000	3.548	.226	x	x
4	3.733	4.500	4.026	.237	x	x
5	5.057	5.563	5.047	.258	x	x
6	6.654	6.625	6.065	.280	x	x[2]
8	9.878	8.625	7.981	.322	x	
10	14.000	10.750	10.020	.365	x	
12	18.520	12.750	11.938	.406	x	
SCHEDULE 80						
1 1/4	1.037	1.660	1.278	.191	x	
1 1/2	1 256	1.900	1.500	.200	x	
2	1 737	2.375	1.939	.218	x	
2 1/2	2 650	2.875	2.323	.276	x	
3	3 547	3.500	2.900	.300	x	
4	5 183	4.500	3.826	.337	x	

[1]12 Ft. stock lengths.
[2]Also available as Schedule 5 Structural Pipe.

ALUMINUM ROUND TUBING

Drawn 3003-H14
WW-T-700/2
ASTM B210 and AMS 4067
Stock Lengths: 12 Ft.

Sizes in Stock

Size O.D. in Inches		Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs	Size O.D. in Inches		Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs
1/4	x	.035	.028	1 1/4	x	.035	.159
3/8	x	.035	.044			.065	.288
1/2	x	.049	.083	1 1/2	x	.035	.191
5/8	x	.035	.077			.049	.266
		.049	.105			.065	.349
3/4	x	.035	.093	2	x	.035	.257
		.049	.128			.065	.470
		.065	.167	2 1/4	x	.049	.403
7/8	x	.065	.197	2 1/2	x	.049	.448
1	x	.035	.126			.065	.591
		.049	.174	3	x	.065	.712
		.065	.227				

COILED ALUMINUM TUBE

3003-0
ASTM B483, AMS 4065
50 Ft. Coils, Soft Annealed
All Purpose

Sizes in Stock

O.D. in Inches	Thickness in Inches	Weight per Coil in Lbs
1/8	.025	.467
3/16	.028	.833
1/4	.032	1.302
5/16	.035	1.812
3/8	.035	2.221
1/2	.035	3.037
5/8	.035	3.854
5/8	.049	5.267

ALUMINUM ROUND TUBING

6061 and 6063 Drawn Seamless
6061: WW-T-700/6, ASTM B210 and AMS 4082
6063: ASTM B210
Stock Lengths: 12 Ft.

Sizes in Stock

Size O.D. in Inches	Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs	6061-T6	6063-T832
3/16	.035	.020	x	
1/4	.035	.028	x	
	.049	.036	x	
5/16	.049	.048	x	
	.058	.055	x	
3/8	.035	.044	x	
	.049	.059	x	
	.058	.068	x	
	.065	.075	x	
1/2	.035	.060	x	
	.049	.082	x	
	.058	.095	x	
	.065	.104	x	
	.083	.128	x	
5/8	.035	.076	x	
	.049	.104	x	
	.058	.122	x	
	.065	.134	x	
3/4	.035	.093	x	
	.049	.127	x	
	.058	.148	x	
	.065	.165	x	
	.083	.205	x	

(Continued)

ALUMINUM ROUND TUBING

6061 and 6063 Drawn Seamless
6061: WW-T-700/6, ASTM B210 and AMS 4082
6063: ASTM B210
Stock Lengths: 12 Ft.

Sizes in Stock

Size O.D. in Inches		Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs	6061-T6	6063-T832
(Continued)					
7/8	x	.035	.109	x	
		.049	.150	x	
		.065	.195	x	
1	x	.049	.172	x	
		.058	.202	x	x[1]
		.065	.225	x	
		.083	.281	x	
		.125	.404	x	
1 1/8	x	.058	.229	x	
1 1/4	x	.035	.157	x	
		.049	.217	x	
		.065	.285	x	
		.083	.358	x	
1 3/8	x	.049	.240	x	
		.058	.282	x	
1 1/2	x	.065	.345	x	
		.083	.435	x	
		.125	.635	x	
1 7/8		.058	.389	x	
2	x	.035	.254	x	
		.049	.353	x	
		.058	.416	x	
2	x	.065	.465	x	
		.083	.588	x	
2 1/2	x	.065	.585	x	
		.083	.741	x	
3	x	.065	.705	x	
		.083	.895	x	
3.250	x	.125	1.440		x
3 1/2	x	.065	.825	x	

[1]20 Ft. lengths.

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ALUMINUM RECTANGULAR TUBING

6063-T52
Extruded - Sharp Corners Inside and Out
ASTM B221
Stock Lengths 21 Ft. 1 in.

Sizes in Stock

Size O.D. in Inches	Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs	Size O.D. in Inches	Avg. Wall Thickness in Inches	Approx. Wt. per Ft. in Lbs
3/4 x 1 1/2 x	.125	.588	1 3/4 x 4 1/2 x	.125	1.764
1 x 1 1/2 x	.125	.662	1 3/4 x 5 x	.125	1.911
1 x 2 x	.125	.810	1 3/4 x 6 x	.125	2.250
1 1/2 x 2 x	.125	.957	2 x 3 x	.125	1.397
1 1/2 x 2 1/2 x	.125	1.103	2 x 4 x	.125	1.690
1 3/4 x 2 1/4 x	.125	1.103	2 x 5 x	.125	1.985
1 3/4 x 3 x	.125	1.323	2 x 6 x	.125	2.279
1 3/4 x 3 1/2 x	.125	1.470	2 x 6 x	.250	4.410
1 3/4 x 4 x	.125	1.617	2 x 8 x	.125	2.925

6061-T6, 25 Ft. lengths.

ALUMINUM SQUARE TUBING

6063-T52
Extruded - Sharp Corners Inside and Out
ASTM QQ-A-200/9
Stock Lengths 21 Ft. 1 in.

Sizes in Stock

Size in Inches	Thickness in Inches	Est. Wt. in Lbs. per Foot	Est. Wt. per Piece
3/4 x 3/4			
1/4 1/4			
1/2 1/2			
3/4 3/4			
1/2 1/2			

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WELDING PRODUCTS

EQUIPMENT AND ACCESORIES

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Structural Shapes

Structural Steel Shapes conform to the ASTM (America Society for Testing and Materials)

	MINIMUM MECHANICAL PROPERTIES			
	TENSILE STRENGTH PSI	MINIMUM YIELD STRENGTH, PSI	CARBON CONTENT	% ELONGATION IN 2"
A-36	56,000 - 80,000	36,000	.26 MAX	23
A-572	65,000	50,000	.26 MAX	

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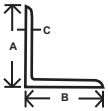
L Angles - Bar Size

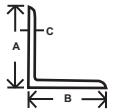
Standard Lenght 20', 30', 40'



Size In Inches						Estimated Weight Lbs.	
A		B		C		Per Foot	20 Ft. Length
1/2	X	1/2	X	1/8		.38	7.6
5/8	x	5/8	x	1/8		.48	9.6
3/4	x	3/4	x	1/8		.59	11.8
7/8	x	7/8	x	1/8		.70	14.0
1	x	5/8	x	1/8		.64	12.8
1	x	1	x	1/8		.80	16.0
				3/16		1.16	23.2
				1/4		1.49	29.8
1 1/4	x	1 1/4	x	1/8		1.01	20.2
				3/16		1.48	29.6
				1/4		1.92	38.4
1 1/2	x	1 1/2	x	1/8		1.23	24.6
				3/16		1.80	36.0
				1/4		2.34	46.8
1 3/4	x	1 3/4	x	1/8		1.44	28.8
				3/16		2.12	42.4
				1/4		2.77	55.4
2	x	1 1/2	x	1/8		1.44	28.8
				3/16		2.12	42.4
				1/4		2.77	55.4
2	x	2	x	1/8		1.65	33.0
				3/16		2.44	48.8
				1/4		3.19	63.8
				5/16		3.92	78.4
				3/8		4.70	94.0
				1/2		6.00	120.0
2 1/2	x	1 1/2	x	3/16		2.44	48.8
				1/4		3.19	63.8
				5/16		3.92	78.4
2 1/2	x	2	x	3/16		2.75	55.0
				1/4		3.62	72.4
				5/16		4.50	90.0
				3/8		5.30	106.0
2 1/2	x	2 1/2	x	3/16		3.07	61.4
				1/4		4.10	82.0
				5/16		5.00	100.0
				3/8		5.90	118.0
				1/2		7.70	154.0

L Angles - Structural Sizes

Standard Lenghts 20', 30', 40'



Size In Inches					Estimated Weight Lbs.	
A		B		C	Per Foot	20 Ft. Length
3	x	2	x	3/16	3.07	61
				1/4	4.1	82
				5/16	5.0	100
				3/8	5.9	118
				1/2	7.7	154
3	x	2 1/2	x	3/16	3.39	68
				1/4	4.5	90
				5/16	5.6	112
				3/8	6.6	132
				1/2	8.5	170
3	x	3	x	3/16	3.71	74
				1/4	4.9	98
				5/16	6.1	122
				3/8	7.2	144
				1/2	9.4	188
3 1/2	x	2 1/2	x	1/4	4.9	98
				5/16	6.1	122
				3/8	7.2	144
				1/2	9.4	188
3 1/2	x	3 1/2	x	1/4	5.8	116
				5/16	7.2	144
				3/8	8.5	170
				7/16	9.8	196
				1/2	11.1	222
4	x	3	x	1/4	5.8	116
				5/16	7.2	144
				3/8	8.5	170
				7/16	9.8	196
				1/2	11.1	222
				5/8	13.6	272
4	x	3 1/2	x	1/4	6.2	124
				5/16	7.7	154
				3/8	9.1	182
				1/2	11.9	238
				5/8	14.7	294
4	x	4	x	1/4	6.6	132
				5/16	8.2	164
				3/8	9.8	196
				7/16	11.3	226
				1/2	12.8	256
				5/8	15.7	314
				3/4	18.5	370
5	x	3	x	1/4	6.6	132
				5/16	8.2	164
				3/8	9.8	196
				1/2	12.8	256
5 1/2	x	3 1/2	x	1/4	7.0	140
				5/16	8.7	174
				3/8	10.4	208
				1/2	13.6	272
				5/8	16.8	336
				3/4	19.8	396

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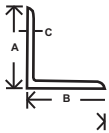
L Angles - Structural Sizes

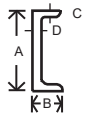
Standard Lenghts 20', 30', 40'



Size In Inches A		B		C	Estimated Weight Lbs. Per Foot	20 Ft. Length
5	x	5	x	5/16	10.3	206
				3/8	12.3	246
				7/16	14.3	286
				1/2	16.2	324
				5/8	20.0	400
				3/4	23.6	472
				7/8	27.2	544
6	x	3 1/2	x	1/4	7.9	158
				5/16	9.8	196
				3/8	11.7	234
				1/2	15.3	306
6	x	4	x	5/16	10.3	206
				3/8	12.3	246
				7/16	14.3	286
				1/2	16.2	324
				5/8	20.0	400
				3/4	23.6	472
				7/8	27.2	544
6	x	6	x	5/16	12.5	250
				3/8	14.9	298
				7/16	17.2	344
				1/2	19.6	392
				5/8	24.2	484
				3/4	28.7	574
				7/8	33.1	662
				1	37.4	748
7	x	4	x	3/8	13.6	272
				7/16	15.8	316
				1/2	17.9	358
				5/8	22.1	442
				3/4	26.2	524
				7/8	30.2	604
8	x	4	x	7/16	17.2	344
				1/2	19.6	392
				5/8	24.2	484
				3/4	28.7	574
				7/8	33.1	662
				1	37.4	748
8	x	6	x	7/16	20.2	404
				1/2	23.0	460
				5/8	28.5	570
				1/4	33.8	676
				7/8	39.1	782
				1	44.2	884
8	x	8	x	1/2	26.4	528
				5/8	32.7	654
				3/4	38.9	778
				7/8	45.0	900
				1	51.0	1020
				1 1/8	56.9	1138

Structural Channels

Standard Lengths 20' 30' and 40'



	A	B	C	D
Standard Channels				
Section Number	Weight Per/Foot	Depth of Section	Flange Width	Flange Thickness	Web Thickness
	lb.	In.	In.	In.	In.
3	3.5	3	1.376	.248	.130
	4.1	3	1.410	.273	.170
	5	3	1.498	.273	.258
	6	3	1.596	.273	.356
4	4.5	4	1.585	.149	.163
	5.4	4	1.580	.296	.184
	7.25	4	1.721	.296	.321
5	6.7	5	1.750	.32	.190
	9	5	1.885	.32	.325
6	8.2	6	1.920	.343	.200
	10.5	6	2.034	.343	.314
	13	6	2.157	.343	.437
7	9.8	7	2.090	.366	.210
	12.25	7	2.194	.366	.303
	14.75	7	2.299	.366	.487
8	11.5	8	2.260	.39	.220
	13.75	8	2.343	.39	.303
	18.75	8	2.527	.39	.487
9	13.4	9	2.433	.413	.233
	15	9	2.485	.413	.285
	20	9	2.648	.413	.448
10	15.3	10	2.600	.436	.240
	20	10	2.739	.436	.379
	25	10	2.886	.436	.526
	30	10	3.033	.436	.673
12	20.7	12	2.942	.501	.282
	25	12	3.047	.501	.387
	30	12	3.170	.501	.510
15	33.9	15	3.400	.65	.400
	40	15	3.520	.65	.520
	50	15	3.716	.65	.716

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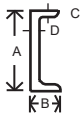
MC Structural Channels

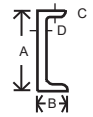
Standard Lengths 20' 30' and 40'



		A	B	C	D
MC Channels					
Section Number	Weight Per/Foot	Depth of Section	Flange		Web
			Width	Thickness	Thickness
	lb.	In.	In.	In.	In.
3	7.1	2.93	1.983	.351	.312
4	13.8	4	2.500	.500	.500
6	12	6	2.497	.375	.310
	15.3	6	3.500	.385	.340
	16.3	6	3.000	.475	.375
	18	6	3.504	.475	.379
7	17.6	7	3.000	.475	.375
	19.1	7	3.452	.500	.352
	22.7	7	3.603	.500	.503
8	8.5	8	1.874	.311	.179
	18.7	8	2.978	.500	.353
	20	8	3.025	.500	.400
	21.4	8	3.450	.525	.375
	22.8	8	3.502	.525	.427
9	23.9	9	3.450	.550	.400
	25.4	9	3.500	.550	.450
10	22	10	3.315	.575	.290
	25	10	3.405	.575	.380
	28.5	10	3.950	.575	.425
	33.6	10	4.100	.575	.575
	41.1	10	4.321	.575	.796
12	31	12	3.670	.700	.370
	35	12	3.767	.700	.467
	40	12	3.890	.700	.590
	45	12	4.012	.700	.712
	50	12	4.135	.700	.835
18	42.7	18	3.950	.625	.450
	45.8	18	4.000	.625	.500
	51.9	18	4.100	.625	.600
	58	18	4.200	.625	.700

Jr. Structural Channels

Standard Lengths 20'



A		B		D		
Bar Channels						
Size in Inches					Estimated Weight Lbs.	
Section Depth		Flange Width		Web Thickness	Per Foot	Per 20 Ft. Length
1/2	x	1/4	x	1/8	.28	5.60
3/4	x	5/16	x	1/8	.50	10.00
3/4	x	3/8	x	1/8	.54	10.80
7/8	x	3/8	x	1/8	.61	12.20
7/8	x	7/16	x	1/8	.69	13.80
1	x	3/8	x	1/8	.68	13.60
1	x	1/2	x	1/8	.80	16.00
1 1/8	x	9/16	x	1/8	1.16	23.20
1 1/4	x	1/2	x	1/8	1.00	20.00
1 1/2	x	1/2	x	1/8	1.12	22.40
1 1/2	x	3/4	x	1/8	1.17	23.40
2	x	1/2	x	1/8	1.34	26.80
2	x	1	x	1/8	1.78	35.60
1 1/2	x	9/16	x	3/16	1.44	28.80
1 1/2	x	1 1/2	x	3/16	2.65	53.00
1 3/4	x	1/2	x	3/16	1.55	31.00
2	x	9/16	x	3/16	1.76	35.20
2	x	1	x	3/16	2.57	51.40
2 1/2	x	5/8	x	3/16	2.27	45.40
2	x	5/8	x	1/4	2.18	43.60

Stair Stringer Channels

Standard Lengths 20'

A		B		D		
Bar Channels						
Size in Inches					Estimated Weight Lbs.	
Section Depth		Flange Width		Web Thickness	Per Foot	Per 20 Ft. Length
10	1.125	.150	x	6.5		130
10	1.50	.170	x	8.4		168
12	1.50	.190	x	10.6		212

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PERFORATED METAL PANELS

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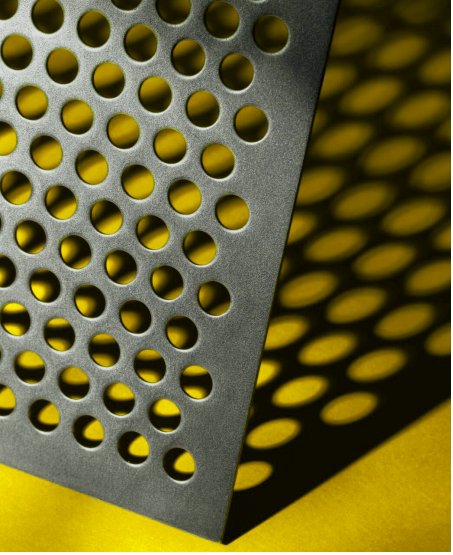

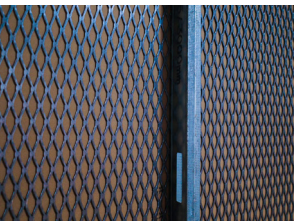

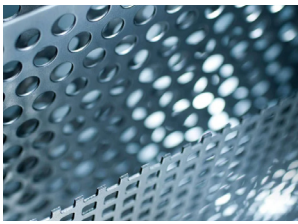
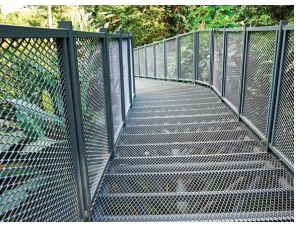
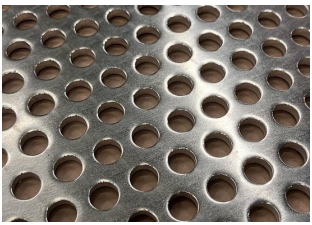
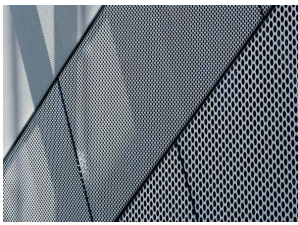

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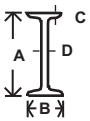
Standard "I" Beams or "S" Beams

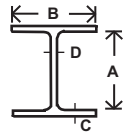


Standard Lenghts 20', 30', 40'

ASTM A-36		A	B	C	D
Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
S3	5.7	3.00	2.330	0.260	0.170
	7.5	3.00	2.509	0.260	0.349
S4	7.7	4.00	2.660	0.293	0.193
	9.5	4.00	2.796	0.293	0.326
S5	10	5.00	3.000	0.326	0.214
	14.75	5.00	3.284	0.326	0.494
S6	12.5	6.00	3.332	0.359	0.232
	17.25	6.00	3.565	0.359	0.465
S7	15.3	7.00	3.662	0.392	0.252
	20	7.00	3.860	0.392	0.450
S8	18.4	8.00	4.001	0.425	0.271
	23	8.00	4.171	0.425	0.441
S10	25.4	10.00	4.661	0.491	0.311
	35	10.00	4.944	0.491	0.594
S12	31.8	12.00	5.000	0.544	0.350
	35	12.00	5.078	0.544	0.428
	40.8	12.00	5.252	0.659	0.462
	50	12.00	5.477	0.659	0.687
S15	42.9	15.00	5.501	0.622	0.411
	50	15.00	5.640	0.622	0.550
S18	54.7	18.00	6.001	0.691	0.461
	70	18.00	6.251	0.691	0.711
S20	66	20.00	6.255	0.795	0.505
	75	20.00	6.385	0.795	0.635
	86	20.30	7.060	0.920	0.660
	96	20.30	7.200	0.920	0.800
S24	80	24.00	7.000	0.870	0.500
	90	24.00	7.125	0.870	0.625
	100	24.00	7.245	0.870	0.745
	106	24.50	7.870	1.090	0.620
	121	24.50	8.050	1.090	0.800

WF Wide Flange Beams

Standard Lenghts 20', 30', 40'

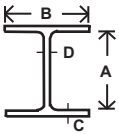


ASTM A-36, A-572, A992

Section Number	Weight Per/Foot	Depth of Section	A	B	C	D
				Flange		Web
				Width	Thickness	Thickness
	lb.	In.		In.	In.	In.
W4	13	4.16		4.060	0.345	0.280
W5	16	5.01		5.000	0.360	0.240
	19	5.15		5.030	0.430	0.270
W6	8.5	5.83		3.940	0.194	0.170
	9	5.90		3.940	0.215	0.170
	12	6.03		4.000	0.280	0.230
	16	6.28		4.030	0.405	0.260
W6	15	5.99		5.990	0.260	0.230
	20	6.20		6.020	0.365	0.260
	25	6.38		6.080	0.455	0.320
W8	10	7.89		3.940	0.205	0.170
	13	7.99		4.000	0.255	0.230
	15	8.11		4.015	0.315	0.245
W8	14	7.98		5.210	0.250	0.195
	18	8.14		5.250	0.330	0.230
	21	8.28		5.270	0.400	0.250
W8	24	7.93		6.490	0.400	0.245
	28	8.06		6.535	0.465	0.285
W8	31	8.00		7.995	0.435	0.285
	35	8.12		8.020	0.495	0.310
	40	8.25		8.070	0.560	0.360
	48	8.50		8.110	0.685	0.400
	58	8.75		8.220	0.810	0.510
	67	9.00		8.280	0.935	0.570
W10	12	9.87		3.960	0.210	0.190
	15	9.99		4.000	0.270	0.230
	17	10.11		4.010	0.330	0.240
	19	10.24		4.020	0.395	0.250

WF **Wide Flange Beams**

Standard Lenghts 20', 30', 40'

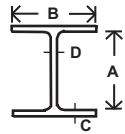


ASTM A-36, A-572, A992 **A** **B** **C** **D**

Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W10	16	9.95	5.710	0.250	0.195
	22	10.17	5.750	0.360	0.240
W10	16	9.95	5.710	0.250	0.195
	22	10.17	5.750	0.360	0.240
	26	10.33	5.770	0.440	0.260
	30	10.47	5.810	0.510	0.300
W10	33	9.73	7.960	0.435	0.290
	39	9.92	7.985	0.530	0.315
	45	10.10	8.020	0.620	0.350
W10	49	9.98	10.000	0.560	0.340
	54	10.09	10.030	0.615	0.370
	60	10.22	10.080	0.680	0.420
	68	10.40	10.130	0.770	0.470
	77	10.60	10.190	0.870	0.530
	88	10.84	10.265	0.990	0.605
	100	11.10	10.340	1.120	0.680
	112	11.36	10.415	1.250	0.755
W12	14	11.91	3.970	0.225	0.200
	16	11.99	3.990	0.265	0.220
	19	12.16	4.005	0.350	0.235
	22	12.31	4.030	0.425	0.260
W12	21	12.04	6.450	0.290	0.195
	26	12.22	6.490	0.380	0.230
	30	12.34	6.520	0.440	0.260
	35	12.50	6.560	0.520	0.300
W12	40	11.94	8.005	0.515	0.295
	45	12.06	8.045	0.575	0.335
	50	12.19	8.080	0.640	0.370
W12	53	12.06	9.995	0.757	0.345
	58	12.19	10.010	0.640	0.360

WF Wide Flange Beams

Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992 **A** **B** **C** **D**

Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W12	65	12.12	12.000	0.605	0.390
	72	12.25	12.040	0.670	0.430
	79	12.38	12.080	0.735	0.470
	87	12.53	12.125	0.810	0.515
	96	12.71	12.160	0.900	0.550
	106	12.89	12.220	0.990	0.610
	120	13.12	12.320	1.105	0.710
	136	13.41	12.400	1.250	0.790
	152	13.71	12.480	1.400	0.870
	170	14.03	12.570	1.560	0.960
	190	14.38	12.670	1.735	1.060
	210	14.71	12.790	1.900	1.180
	230	15.05	12.895	2.070	1.285
	252	15.41	13.005	2.250	1.395
	279	15.85	13.140	2.470	1.530
	305	16.32	13.235	2.705	1.625
	336	16.82	13.385	2.955	1.775
W14	22	13.74	5.000	0.335	0.230
	26	13.91	5.025	0.420	0.255
W14	30	13.84	6.730	0.385	0.270
	34	13.98	6.785	0.455	0.285
	38	14.10	6.770	0.515	0.310
W14	43	13.66	7.995	0.530	0.305
	48	13.79	8.030	0.595	0.340
	53	13.92	8.060	0.660	0.370
W14	61	13.89	9.995	0.645	0.375
	68	14.04	10.035	0.720	0.415
	74	14.17	10.070	0.785	0.450
	82	14.31	10.130	0.855	0.510

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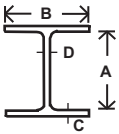
WF Wide Flange Beams

Standard Lenghts 20', 30', 40'

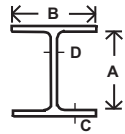


ASTM A-36, A-572, A992 **A** **B** **C** **D**

Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W14	90	14.02	14.520	0.710	0.440
	99	14.16	14.565	0.780	0.485
	109	14.32	14.605	0.860	0.525
	120	14.48	14.670	0.940	0.590
	132	14.66	14.725	1.030	0.645
W14	145	14.78	15.500	1.090	0.680
	159	14.98	15.565	1.190	0.745
	176	15.22	15.650	1.310	0.830
	193	15.48	15.710	1.440	0.890
	211	15.72	15.800	1.560	0.980
	233	16.04	15.890	1.720	1.070
	257	16.38	15.995	1.890	1.175
	283	16.74	16.110	2.070	1.290
	311	17.12	16.230	2.260	1.410
	342	17.54	16.360	2.470	1.540
	370	17.92	16.475	2.660	1.655
	398	18.29	16.590	2.845	1.770
	426	18.67	16.695	3.035	1.875
	455	19.02	16.835	3.210	2.015
	500	19.60	17.010	3.500	2.190
	550	20.24	17.200	3.820	2.380
	605	20.92	17.415	4.160	2.595
	665	21.64	17.650	4.520	2.830
	730	22.42	17.890	4.910	3.070
W16	26	15.69	5.500	0.345	0.250
	31	15.88	5.525	0.440	0.275
W16	36	15.86	6.985	0.430	0.295
	40	16.01	6.995	0.505	0.305
	45	16.13	7.035	0.565	0.345
	50	16.26	7.070	0.630	0.380
	57	16.43	7.120	0.715	0.430

WF Wide Flange Beams

Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992

Section Number	Weight Per/Foot	Depth of Section	A	B	C	D
				Flange		Web
				Width	Thickness	Thickness
	lb.	In.		In.	In.	In.
W16	67	16.33		10.235	0.665	0.395
	77	16.52		10.295	0.760	0.455
	89	16.75		10.365	0.875	0.525
	100	16.97		10.425	0.985	0.585
W18	35	17.70		6.000	0.425	0.300
	40	17.90		6.015	0.525	0.315
	46	18.06		6.060	0.605	0.360
W18	41	17.70		7.450	0.530	0.320
	45	17.86		7.480	0.500	0.340
	50	17.99		7.495	0.570	0.355
	55	18.11		7.530	0.630	0.390
	60	18.24		7.555	0.695	0.415
	65	18.35		7.590	0.750	0.450
	71	18.47		7.635	0.810	0.495
W18	76	18.21		11.035	0.680	0.425
	86	18.39		11.090	0.770	0.480
	97	18.59		11.145	0.870	0.535
	106	18.73		11.200	0.940	0.590
	119	18.97		11.265	1.060	0.655
	130	19.25		11.160	1.200	0.670
	143	19.49		11.220	1.320	0.730
	158	19.72		11.300	1.440	0.810
	175	20.04		11.375	1.590	0.890
	192	20.35		11.455	1.750	0.960
	211	20.67		11.555	1.910	1.060
	234	21.06		11.650	2.110	1.160
	258	21.46		11.770	2.300	1.280
	283	21.85		11.890	2.500	1.400
	311	22.32		12.005	2.740	1.520

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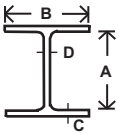
WF **Wide Flange Beams**

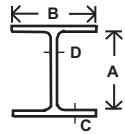
Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992	A	B	C	D
Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W21	44	20.66	6.500	0.450	0.350
	50	20.83	6.530	0.535	0.380
	57	21.06	6.555	0.650	0.405
W21	48	20.62	8.140	0.430	0.350
	55	20.80	8.220	0.522	0.375
	62	20.99	8.240	0.615	0.400
	68	21.13	8.270	0.685	0.430
	73	21.24	8.295	0.740	0.455
	83	21.43	8.355	0.835	0.515
	93	21.62	8.420	0.930	0.580
W21	101	21.36	12.290	0.800	0.500
	111	21.51	12.340	0.875	0.550
	122	21.68	12.390	0.960	0.600
	132	21.83	12.440	1.035	0.650
	147	22.06	12.510	1.150	0.720
	166	22.48	12.420	1.360	0.750
	182	22.72	12.500	1.480	0.830
	201	23.03	12.560	1.630	0.910
	223	23.35	12.680	1.790	1.000
	248	23.74	12.775	1.990	1.110
	275	24.13	12.890	2.190	1.220
W24	55	23.57	7.005	0.505	0.395
	62	23.74	7.040	0.590	0.430

WF Wide Flange Beams

Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992 **A** **B** **C** **D**

Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W24	56	23.48	8.900	0.460	0.355
	61	23.56	8.930	0.500	0.380
	68	23.73	8.965	0.585	0.415
	76	23.92	8.990	0.680	0.440
	84	24.10	9.020	0.770	0.470
	94	24.31	9.065	0.875	0.515
	103	24.53	9.000	0.980	0.550
	114	24.76	9.060	1.100	0.610
	128	25.00	9.110	1.220	0.670
	146	25.32	9.220	1.380	0.770
	163	25.63	9.290	1.540	0.850
	198	26.26	9.470	1.850	1.020
W24	104	24.06	12.750	0.750	0.500
	117	24.26	12.800	0.850	0.550
	131	24.48	12.855	0.960	0.605
	146	24.74	12.900	1.090	0.650
	162	25.00	12.995	1.220	0.705
	176	25.24	12.890	1.340	0.750
	192	25.47	12.950	1.460	0.810
	207	25.71	13.010	1.570	0.870
	229	26.02	13.110	1.730	0.960
	250	26.34	13.185	1.890	1.040
	279	26.73	13.305	2.090	1.160
	306	27.13	13.405	2.280	1.260
	335	27.52	13.520	2.480	1.380
	370	27.99	13.660	2.720	1.520
	408	28.54	13.800	2.990	1.650
	450	29.09	13.955	3.270	1.810
	492	29.65	14.115	3.540	1.970

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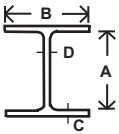
WF Wide Flange Beams

Standard Lenghts 20', 30', 40'



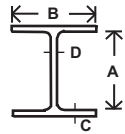
ASTM A-36, A-572, A992 **A** **B** **C** **D**

Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W27	84	26.71	9.960	0.640	0.460
	94	26.92	9.990	0.745	0.490
	102	27.09	10.015	0.830	0.515
	114	27.29	10.070	0.930	0.570
	129	27.63	10.010	1.100	0.610
	159	28.11	10.150	1.340	0.750
	182	28.50	10.240	1.540	0.850
	201	28.82	10.350	1.690	0.940
	221	29.13	10.430	1.850	1.020
W27	146	27.38	13.965	0.975	0.605
	161	27.59	14.020	1.080	0.660
	178	27.81	14.085	1.190	0.725
	194	287.11	14.035	1.340	0.750
	217	28.43	14.115	1.500	0.830
	235	28.66	14.190	1.610	0.910
	258	28.98	14.270	1.770	0.980
	281	29.29	14.350	1.930	1.060
	307	29.61	14.445	2.090	1.160
	336	30.00	14.545	2.280	1.260
	368	30.39	14.665	2.480	1.380
	407	30.87	14.800	2.720	1.520
	448	31.42	14.940	2.990	1.650
	494	31.97	15.095	3.270	1.810
W30	90	29.53	10.400	0.610	0.470
	99	29.65	10.450	0.670	0.520
	108	29.83	10.475	0.760	0.545
	116	30.01	10.495	0.850	0.565
	124	30.17	10.515	0.930	0.585
	132	30.31	10.545	1.000	0.615
	148	30.67	10.480	1.180	0.650

WF

Wide Flange Beams

Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992

Section Number	Weight Per/Foot	Depth of Section	A	B	C	D
				Flange		Web
				Width	Thickness	Thickness
	lb.	In.		In.	In.	In.
W30	173	30.44		14.985	1.065	0.655
	191	30.68		15.040	1.185	0.710
	211	30.94		15.105	1.315	0.775
	235	31.30		15.055	1.500	0.830
	261	31.61		15.155	1.650	0.930
	292	32.01		15.255	1.850	1.020
	326	32.40		15.370	2.050	1.140
	357	32.80		15.470	2.240	1.240
	391	33.19		15.590	2.440	1.360
	433	33.66		15.725	2.680	1.500
	477	34.21		15.865	2.950	1.630
W33	118	32.86		11.480	0.740	0.550
	130	33.09		11.510	0.855	0.580
	141	33.30		11.535	0.960	0.605
	152	33.49		11.565	1.055	0.635
	169	33.82		11.500	1.220	0.670
	187	34.06		11.580	1.340	0.750
	204	34.30		11.640	1.460	0.810
	219	34.53		11.700	1.570	0.870
W33	201	33.68		15.745	1.150	0.715
	221	33.93		15.805	1.275	0.775
	241	34.18		15.860	1.400	0.830
	263	34.53		15.805	1.570	0.870
	291	34.84		15.905	1.730	0.960
	318	35.16		15.985	1.890	1.040
	354	35.55		16.100	2.090	1.160
	387	35.95		16.200	2.280	1.260
	424	36.34		16.315	2.480	1.380
	468	36.81		16.455	2.720	1.520

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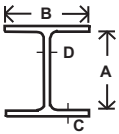
WF **Wide Flange Beams**

Standard Lenghts 20', 30', 40'

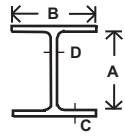


ASTM A-36, A-572, A992

Section Number	Weight Per/Foot	Depth of Section	A	B	C	D
			Flange			Web
			Width	Thickness		Thickness
	lb.	In.	In.	In.		In.
W36	135	35.55	11.950	0.790		0.600
	150	35.85	11.975	0.940		0.625
	160	36.01	12.000	1.020		0.650
	170	36.17	12.030	1.100		0.680
	182	36.33	12.075	1.180		0.725
	194	36.49	12.115	1.260		0.765
	210	36.69	12.180	1.360		0.830
	232	37.12	12.120	1.570		0.960
	256	37.43	12.215	1.730		0.870
	285	37.83	12.310	1.930		1.060
	318	38.22	12.430	2.130		1.180
	349	38.61	12.550	2.320		1.300
	386	39.09	12.670	2.560		1.420

WF **Wide Flange Beams**

Standard Lenghts 20', 30', 40'



ASTM A-36, A-572, A992	A	B	C	D
Section Number	Weight Per/Foot	Depth of Section	Flange		Web Thickness
			Width	Thickness	
	lb.	In.	In.	In.	In.
W40	149	38.20	11.810	0.830	0.630
	167	38.59	11.810	1.025	0.650
	183	38 98	11.810	1.220	0.650
	211	39.37	11.811	1.413	0.752
	235	39.68	11.890	1.575	0.831
	264	40.00	11.929	1.728	0.961
	278	40.16	11.968	1.811	1.024
	294	40.39	12.008	1.929	1.059
	327	40.79	12.126	2.130	1.181
	331	40.79	12.165	2.126	1.220
	392	41.57	12.362	2.520	1.417
W40	199	38.67	15.750	1.065	0.650
	215	38.98	15.750	1.220	0.650
	249	39.38	15.750	1.420	0.750
	277	39.69	15.830	1.575	0.830
	297	39.84	15.825	1.650	0.930
	324	40.16	15.905	1.810	1.000
	362	40.55	16.020	2.010	1.120
	372	40 63	16.060	2.050	1.160
	397	40.95	16.120	2.200	1.220
	431	41.26	16.220	2.362	1.339
	436	41.34	16.240	2.400	1.340
	480	41.81	16.360	2.640	1.460
	503	42.05	16.417	2.756	1.535
	593	42.99	16.693	3.228	1.791

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MISCELLANEOUS METALS FABRICATIONS

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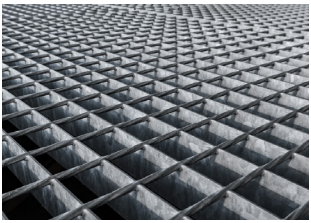

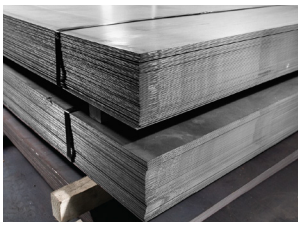

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REV. 05/2025

Hot Rolled Flat Bars

Standard Lenght 20'

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft Bar
1/8 x 1/2	.213	4.26
5/8	.266	5.32
3/4	.319	6.38
1	.425	8.50
1 1/8	.478	9.56
1 1/4	.531	10.62
1 1/2	.638	12.76
1 3/4	.744	14.88
2	.850	17.00
2 1/2	1.06	21.20
3	1.28	25.60
4	1.70	34.00
5	2.13	42.60
6	2.55	51.00
7	2.98	59.60
8	3.40	68.00
10	4.25	85.00
12	5.10	102.00
3/16 x 1/2	.319	6.38
5/8	.398	7.96
3/4	.478	9.56
1	.638	12.76
1 1/8	.717	14.34
1 1/4	.797	15.94
1 1/2	.956	19.12
1 3/4	1.12	22.40
2	1.28	25.60
2 1/2	1.59	31.80

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft Bar
3/16 x 2 3/4	1.75	35.00
3	1.91	38.20
4	2.55	51.00
5	3.19	63.80
6	3.83	76.60
7	4.47	89.40
8	5.10	102.00
10	6.38	127.60
12	7.66	153.20
1/4 x 1/2	.425	8.50
5/8	.531	10.62
3/4	.638	12.76
1	.850	17.00
1 1/8	.956	19.12
1 1/4	1.06	21.20
1 1/2	1.28	25.60
1 3/4	1.49	29.80
2	1.70	34.00
2 1/2	2.13	42.60
2 3/4	2.34	46.80
3	2.55	51.00
4	3.40	68.00
5	4.25	85.00
6	5.10	102.00
7	5.95	119.00
8	6.80	136.00
10	8.50	170.00
12	10.20	204.00

Hot Rolled Flat Bars

Standard Lenght 20'

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
1/4 x	3/8	.319	6.38
	1/2	.425	8.50
	5/8	.531	10.62
	3/4	.638	12.76
	7/8	.744	14.88
	1	.850	17.00
	1 1/8	.956	19.12
	1 1/4	1.063	21.26
	1 3/8	1.169	23.38
	1 1/2	1.275	25.50
	1 5/8	1.381	27.62
	1 3/4	1.488	29.76
	2	1.700	34.00
	2 1/4	1.913	38.26
	2 1/2	2.125	42.50
	2 3/4	2.338	46.76
	3	2.550	51.00
	3 1/4	2.763	55.26
	3 1/2	2.975	59.50
	3 3/4	3.188	63.76
	4	3.400	68.00
	4 1/2	3.825	76.50
	5	4.250	85.00
	5 1/2	4.675	93.50
	6	5.100	102.00
	7	5.950	119.00
	8	6.800	136.00
	9	7.660	153.20
	10	8.510	170.20
	11	9.360	187.20
	12	10.210	204.20
5/16 x	1/2	.531	10.62
	5/8	.664	13.28
	3/4	.797	15.94
	7/8	.930	18.60
	1	1.063	21.26
	1 1/8	1.195	23.90
	1 1/4	1.328	26.56
	1 3/8	1.461	29.22
	1 1/2	1.594	31.88
	1 3/4	1.859	37.18
	2	2.125	42.50
	2 1/4	2.391	47.82
	2 1/2	2.656	53.12

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
5/16 x	2 3/4	2.922	58.44
	3	3.188	63.76
	3 1/2	3.719	74.38
	4	4.250	85.00
	4 1/2	4.781	95.62
	5	5.313	106.26
	5 1/2	5.844	116.88
	6	6.375	127.50
	7	7.438	148.76
	8	8.500	170.00
	9	9.570	191.40
	10	10.630	212.60
	11	11.700	234.00
	12	12.760	255.20
3/8 x	1/2	.638	12.76
	5/8	.797	15.94
	3/4	.956	19.12
	7/8	1.116	22.32
	1	1.276	25.52
	1 1/8	1.434	28.68
	1 1/4	1.594	31.88
	1 3/8	1.753	35.06
	1 1/2	1.913	38.26
	1 5/8	2.072	41.44
	1 3/4	2.231	44.62
	2	2.550	51.00
	2 1/4	2.869	57.38
	2 1/2	3.188	63.76
	2 3/4	3.506	70.12
	3	3.825	76.50
	3 1/4	4.144	82.88
	3 1/2	4.463	89.26
	4	5.100	102.00
	4 1/2	5.738	114.76
	5	6.375	127.50
	5 1/2	7.013	140.26
	6	7.650	153.00
	7	8.925	178.50
	8	10.200	204.00
	9	11.490	229.80
	10	12.770	255.40
	11	14.040	280.80
	12	15.320	306.40

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REV. 05/2025

Hot Rolled Flat Bars

Standard Lenght 20'

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
1/2 x	5/8	1.063	21.26
	3/4	1.275	25.50
	7/8	1.488	29.76
	1	1.700	34.00
	1 1/8	1.913	38.26
	1 1/4	2.125	42.50
	1 3/8	2.338	46.76
	1 1/2	2.550	51.00
	1 3/4	2.975	59.50
	2	3.400	68.00
	2 1/4	3.825	76.50
	2 1/2	4.250	85.00
	2 3/4	4.675	93.50
	3	5.100	102.00
	3 1/4	5.525	110.50
	3 1/2	5.950	119.00
	4	6.800	136.00
	4 1/2	7.650	153.00
	5	8.500	170.00
	5 1/2	9.350	187.00
	6	10.200	204.00
	7	11.900	238.00
	8	13.600	272.00
	9	15.320	306.40
	10	17.020	340.40
	11	18.720	374.40
	12	20.420	408.40
5/8 x	3/4	1.594	31.88
	7/8	1.859	37.18
	1	2.125	42.50
	1 1/8	2.391	47.82
	1 1/4	2.656	53.12
	1 1/2	3.188	63.76
	1 3/4	3.719	74.38
	2	4.250	85.00
	2 1/4	4.781	95.62
	2 1/2	5.313	106.26
	2 3/4	5.844	116.88
	3	6.375	127.50
	3 1/4	6.906	138.12
	3 1/2	7.438	148.76
	4	8.500	170.00
	4 1/2	9.563	191.26
	5	10.625	212.50
	5 1/2	11.688	233.76
	6	12.750	255.00
	7	14.875	297.50
	8	17.000	340.00

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
5/8 x	9	19.150	383.00
	10	21.270	425.40
	11	23.400	468.00
	12	25.530	510.60
3/4 x	7/8	2.231	44.62
	1	2.550	51.00
	1 1/8	2.869	57.38
	1 1/4	3.188	63.76
	1 1/2	3.825	76.50
	1 3/4	4.463	89.26
	2	5.100	102.00
	2 1/4	5.738	114.76
	2 1/2	6.375	127.50
	2 3/4	7.013	140.26
	3	7.650	153.00
	3 1/4	8.288	165.76
	3 1/2	8.925	178.50
	4	10.200	204.00
	4 1/2	11.475	229.50
	5	12.750	255.00
	5 1/2	14.025	280.50
	6	15.300	306.00
	7	17.850	357.00
	8	20.400	408.00
	9	22.970	459.40
	10	25.520	510.40
	11	28.080	561.60
	12	30.63	612.60
7/8 x	1	2.975	59.50
	1 1/4	3.719	74.38
	1 1/2	4.463	89.26
	1 3/4	5.206	104.12
	2	5.950	119.00
	2 1/4	6.694	133.88
	2 1/2	7.438	148.76
	2 3/4	8.181	163.62
	3	8.925	178.50
	3 1/2	10.413	208.26
	4	11.900	238.00
	4 1/2	13.388	267.76
	5	14.875	297.50
	6	17.850	357.00
	7	20.825	416.50
	8	23.800	476.00
	9	26.805	536.10
	10	29.783	595.66
	11	32.761	655.22
	12	35.740	714.80

Hot Rolled Flat Bars

Standard Lenght 20'

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
1 x	1 1/4	4.25	85.00
	1 1/2	5.100	102.00
	1 3/4	5.950	119.00
	2	6.800	136.00
	2 1/4	7.650	153.00
	2 1/2	8.500	170.00
	2 3/4	9.350	187.00
	3	10.200	204.00
	3 1/4	11.050	221.00
	3 1/2	11.900	238.00
	4	13.600	272.00
	4 1/2	15.300	306.00
	5	17.000	340.00
	5 1/2	18.700	374.00
	6	20.400	408.00
	7	23.800	476.00
	8	27.200	544.00
	9	30.63	612.60
	10	34.030	680.60
	11	37.440	748.80
	12	40.840	816.80
1 1/8 x	2	7.650	153.00
	3	11.475	229.50
	4	15.300	306.00
	5	19.125	382.50
	6	22.950	459.00
	7	26.775	535.50
	8	30.600	612.00
	9	34.462	689.24
	10	38.291	765.82
	11	42.120	842.40
	12	45.950	919.00
1 1/4 x	1 1/2	6.375	127.50
	1 3/4	7.438	148.76
	2	8.500	170.00
	2 1/4	9.563	191.26
	2 1/2	10.625	212.50
	2 3/4	11.688	233.76
	3	12.750	255.00
	3 1/2	14.875	297.50
	4	17.000	340.00
	4 1/2	19.125	382.50
	5	21.250	425.00
	5 1/2	23.375	467.50
	6	25.500	510.00
	7	29.750	595.00
	8	34.000	680.00

Size in Inches		Estimated Weight Lbs. Per Foot	20 Ft Bar
1 1/4 x	9	38.287	765.74
	10	42.541	850.82
	11	46.796	935.92
	12	51.050	1021.00
1 1/2 x	2	10.200	204.00
	2 1/2	12.750	255.00
	3	15.300	306.00
	3 1/2	17.850	357.00
	4	20.400	408.00
	4 1/2	22.950	459.00
	5	25.500	510.00
	6	30.600	612.00
	7	35.700	714.00
	8	40.800	816.00
	9	45.953	919.06
	10	51.058	1021.16
	11	56.164	1123.28
	12	61.270	1225.40
1 3/4 x	2	11.900	238.00
	2 1/2	14.875	297.50
	3	17.850	357.00
	3 1/2	20.825	416.50
	4	23.800	476.00
	4 1/2	26.775	535.50
	5	29.750	595.00
	6	35.700	714.00
	7	41.650	833.00
	8	47.600	952.00
	9	53.602	1072.04
	10	59.558	1191.16
	11	65.514	1310.28
	12	71.470	1429.40
2 x	2 1/2	17.000	340.00
	3	20.400	408.00
	3 1/2	23.800	476.00
	4	27.200	544.00
	4 1/2	30.600	612.00
	5	34.000	680.00
	6	40.800	816.00
	7	47.600	952.00
	8	54.400	1088.00
	9	61.260	1225.20
	10	68.066	1361.32
	11	74.873	1497.46
	12	81.680	1633.60

Hot Rolled Flat Bars

Standard Lenght 20'

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft Bar
2 1/2 x 3	25.500	510.00
3 1/2	29.750	595.00
4	34.000	680.00
4 1/2	38.250	765.00
5	42.500	850.00
6	51.000	1020.00
7	59.500	1190.00
8	68.000	1360.00
9	76.575	1531.50
10	85.083	1701.66
11	93.591	1871.82
12	102.10	2042.00

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft Bar
3 x 4	40.8	816.00
4 1/2	45.900	918.00
5	51.000	1020.00
6	61.200	1224.00
7	71.400	1428.00
8	81.600	1632.00
9	91.890	1837.80
10	102.10	2042.00
11	112.31	2246.20
12	122.52	2450.40

Reinforcing Bars

Conform to A615-40 & 60 Billet Steel

Bar Sizes		Weight	Nominal Dimension in Inches			Lengths
Inches	No.	Pounds per Foot	Diameter Inches	Area Sq. In.	Perimeter Inches	in Stock Feet (Maximum)
1/4 Rd.	2	.167	.250	.05	.786	60
3/8 Rd.	3	.376	.375	.11	1.178	60
1/2 Rd.	4	.668	.500	.20	1.571	60
5/8 Rd.	5	1.043	.625	.31	1.963	60
3/4 Rd.	6	1.502	.750	.44	2.356	60
7/8 Rd.	7	2.044	.875	.60	2.749	60
1 Rd.	8	2.670	1.000	.79	3.142	60
1 Rd.	9	3.400	1.128	1.00	3.544	60
1 1/8 Rd.	10	4.303	1.270	1.27	3.990	60
1 1/4 Rd.	11	5.313	1.410	1.56	4.430	60

The bar numbers are based on the number of 1/8 inches included in the nominal diameter of the bar.

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Hot Rolled Rounds

Standard Length 20'

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft. Bar	Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft. Bar
1/4	.167	3.34	1 1/2	6.01	120.20
5/16	.261	5.22	1 5/8	7.05	141.00
*3/8	.376	7.52	1 3/4	8.18	163.60
7/16	.511	10.22+	1 7/8	9.39	187.80
*1/2	.668	13.36	2	10.68	213.60
9/16	.845	16.90+	2 1/8	12.06	241.20
*5/8	1.04	20.86	2 1/4	13.52	270.40
.680	1.26	25.20+	2 3/8	15.06	301.20
*3/4	1.50	30.04	2 1/2	16.69	333.80
25/32	1.63	32.60+	2 5/8	18.40	368.00
*7/8	2.04	40.88	2 3/4	20.20	404.00
29/32	2.19	43.80+	2 7/8	22.07	441.40
*1	2.67	53.40	3	24.03	480.60
*1 1/8	3.38	67.58	3 1/2	32.71	654.20
1.145	3.47	69.40+	4	42.73	854.60
1 1/4	4.17	83.46	5	66.76	1335.20
1 3/8	5.05	101.00	6	96.13	1922.60

Hot Rolled Squares

Standard Length 20'

Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft. Bar	Size in Inches	Estimated Weight Lbs. Per Foot	20 Ft. Bar
3/8	.478	9.56	1 1/4	5.31	106.30
1/2	.850	17.00	1 3/8	6.43	128.60
5/8	1.33	26.56	1 1/2	7.65	153.00
3/4	1.91	38.26	1 3/4	10.41	208.20
7/8	2.60	52.06			
			2	13.60	272.00
1	3.40	68.00	2 1/4	17.21	344.20
1 1/8	4.30	86.06	2 1/2	21.25	425.00

PERFORATED METAL PANELS

STEEL AND PIPES
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Round Pipe

Steel and Pipes, Inc. Stocks two types of carbon steel pipe:

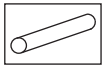
Electric Resistance Welded. (ERW) used for bending, anging and standard welding jobs. Presure tested complies with ASTM A53 Grabe B Type E (Electrical Resistance Welded).

Seamless Pipe. Used for high temperature service. Pipe Ordered under this speci cation shall be suitable for bending, anging and similar forming operations, and for welding complies with ASTM A-106 GRADE B.

Minimum Mechanical Properties

Tensile strenght psi 60,000
Yield strenght psi 35,000

PIPE SIZE ERW. A structural purpose pipe sized tube ordered to ASTM A500. Compared to pipe, this product offers higher strenght, better straightness as well as a superior nish and usually cost less than pipe.



Round Pipes

ASTM A-53 and A-106

Pipe Dimensions

Nominal Pipe Size Inches	Outside Diameter Inches	Schedule		Inside Diameter Inches	Wall Thickness Inches	Weight per foot Lbs Plain End
1/2	.840	5		.710	.065	.538
		10		.674	.083	.671
		40	Std.	.622	.109	.850
		80	Ex Hvy.	.546	.147	1.09
		160		.466	.188	1.309
			XX Hvy.	.252	.294	1.714
3/4	1.050	5		.920	.065	.683
		10		.844	.083	.857
		40	Std.	.824	.113	1.130
		80	Ex Hvy.	.742	.154	1.470
		160		.614	.219	1.944
			XX Hvy.	.434	.308	2.441
1	1.315	5		1.185	.065	.868
		10		1.097	.109	1.404
		40	Std.	1.049	.133	1.680
		80	Ex Hvy.	.957	.179	2.170
		160		.815	.250	2.844
			XX Hvy.	.599	.358	3.659
1 1/4	1.660	5		1.530	.065	1.107
		10		1.442	.109	1.806
		40	Std.	1.380	.140	2.270
		80	Ex Hvy.	1.278	.191	3.000
		160		1.160	.250	3.765
			XX Hvy.	.896	.382	5.214
1 1/2	1.900	5		1.770	.065	1.274
		10		1.682	.109	2.085
		40	Std.	1.610	.145	2.720
		80	Ex Hvy.	1.500	.200	3.630
		160		1.338	.281	4.859
			XX Hvy.	1.100	.400	6.408
2	2.375	5		2.245	.065	1.604
		10		2.157	.109	2.638
		40	Std.	2.067	.154	3.650
		80	Ex Hvy.	1.939	.218	5.020
		160		1.689	.344	7.462
			XX Hvy.	1.503	.436	9.030
2 1/2	2.875	5		2.709	.083	2.475
		10		2.635	.120	3.531
		40	Std.	2.469	.203	5.790
		80	Ex Hvy.	2.323	.276	7.660
		160		2.125	.375	10.010
			XX Hvy.	1.771	.552	13.690
3	3.500	5		3.334	.083	3.029
		10		3.260	.120	4.332
		40	Std.	3.068	.216	7.580
		80	Ex Hvy.	2.900	.300	10.250
		160		2.624	.438	14.320
			XX Hvy.	2.300	.600	18.580
3 1/2	4.000	5		3.834	.083	3.472
		10		3.760	.120	4.973
		40	Std.	3.548	.226	9.110
		80	Ex Hvy.	3.364	.318	12.500
4	4.500	5		4.334	.083	3.915
		10		4.260	.120	5.613
		40	Std.	4.026	.237	10.790
		80	Ex Hvy.	3.826	.337	14.980
		120		3.624	.438	19.000
		160		3.438	.531	22.510
			XX Hvy.	3.152	.674	27.540
4 1/2	5.000	40	Std.	4.506	.247	12.530
		80	Ex Hvy.	4.290	.355	17.610
			XX Hvy.	3.580	.710	32.430

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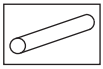
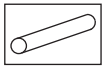


Round Pipes

ASTM A-53 and A-106

Pipe Dimensions

Nominal Pipe Size Inches	Outside Diameter Inches	Schedule		Inside Diameter Inches	Wall Thickness Inches	Weight per foot Lbs Plain End
5	5.563	5		5.345	.109	6.349
		10		5.295	.134	7.770
		40	Std.	5.047	.258	14.620
		80	Ex Hvy.	4.813	.375	20.780
		120		4.563	.500	27.040
		160		4.313	.625	32.960
			XX Hvy.	4.063	.750	38.550
6	6.625	5		6.407	.109	7.585
		10		6.357	.134	9.289
		40	Std.	6.065	.280	18.970
		80	Ex Hvy.	5.761	.432	28.570
		120		5.491	.526	36.390
		160		5.189	.719	45.350
			XX Hvy.	4.897	.864	53.160
7	7.625	40	Std.	7.023	.301	23.570
		80	Ex Hvy.	6.625	.500	38.050
			XX Hvy.	5.875	.875	63.080
8	8.625	5		8.407	.109	9.914
		10		8.329	.148	13.400
		20		8.125	.250	22.360
		40	Std.	7.981	.322	28.550
		60		7.813	.406	35.640
		80	Ex Hvy.	7.625	.500	43.390
			XX Hvy.	5.875	.875	72.420
		160		6.813	.906	74.690
9	9.625	40	Std.	8.941	.342	33.900
		80	Ex Hvy.	8.625	.500	48.720
			XX Hvy.	7.875	.875	81.770
10	10.750	5		10.482	.134	15.190
		10		10.420	.165	18.700
		30		10.136	.307	34.240
		40	Std.	10.020	.365	40.480
		80	Ex Hvy.	9.750	.500	54.740
		140		8.750	1.000	104.130
		160		8.500	1.125	115.640
11	11.750	40	Std.	11.000	.375	45.550
		80	Ex Hvy.	10.750	.500	60.070
			XX Hvy.	10.000	.875	101.630
12	12.750	5		12.420	.165	22.180
			Std.	12.000	.375	49.560
		40		12.000	.406	53.530
		80	Ex Hvy.	11.750	.500	65.420
		160		10.126	1.312	160.270
14	14.000	10		13.500	.250	36.710
		20		13.376	.312	45.610
		30	Std.	13.250	.375	54.570
		40		13.124	.438	63.440
			Ex Hvy.	13.000	.500	72.090
		60		12.814	.594	85.050
		80		12.500	.750	106.130
		100		12.126	.938	130.850
		120		11.814	1.094	150.900
		140		11.500	1.250	170.210
		160		11.188	1.406	189.100



Round Pipes

ASTM A-53 and A-106

Pipe Dimensions

Nominal Pipe Size Inches	Outside Diameter Inches	Schedule	Inside Diameter Inches	Wall Thickness Inches	Weight per foot Lbs Plain End
16	16.000	10	15.500	.250	42.050
		20	15.376	.312	52.270
		30 Std.	15.250	.375	62.580
		40 Ex Hvy.	15.000	.500	82.770
		60	14.688	.656	107.500
		80	14.314	.844	136.610
		100	13.938	1.031	164.820
		120	13.564	1.219	192.430
		140	13.124	1.438	223.640
		160	12.814	1.594	245.250
18	18.000	10	17.500	.250	47.390
		20	17.376	.312	58.940
		Std.	17.250	.375	70.590
		30	17.124	.438	82.150
		Ex Hvy.	17.000	.500	93.450
		40	16.876	.562	104.670
		60	16.500	.750	138.170
		80	16.126	.938	170.920
		100	15.688	1.156	207.960
		120	15.250	1.375	244.140
		140	14.876	1.562	274.220
		160	14.438	1.781	308.500
20	20.000	10	19.500	.250	52.730
		20 Std.	19.250	.375	78.600
		30 Ex Hvy.	19.000	.500	104.130
		40	18.814	.594	123.110
		60	18.376	.812	166.400
		80	17.938	1.031	208.870
		100	17.438	1.281	256.100
		120	17.000	1.500	296.370
		140	16.500	1.750	341.090
		160	16.064	1.969	379.170
22	22.000	10	21.500	.250	58.070
		20 Std.	21.250	.375	86.610
		30 Ex Hvy.	21.000	.500	114.810
		60	20.250	.875	197.410
		80	19.750	1.125	250.810
		100	19.250	1.375	302.880
		120	18.750	1.625	353.610
		140	18.250	1.875	403.000
		160	17.750	2.125	451.060
24	24.000	10	23.500	.250	63.410
		20 Std.	23.250	.375	94.620
		Ex Hvy.	23.000	.500	125.490
		30	22.876	.562	140.680
		40	22.626	.688	171.290
		60	22.064	.969	238.350
		80	21.564	1.219	296.580
		100	20.938	1.531	367.390
		120	20.376	1.812	429.390
		140	19.876	2.062	483.100
		160	19.314	2.344	542.130

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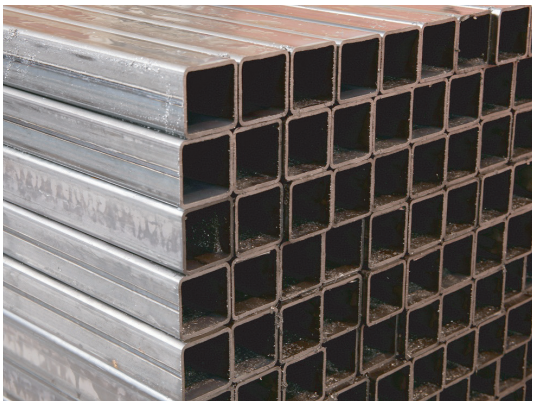
Square Tubing

Standard Lenghts 20', 24' 40' and 48'



Structural ASTM A500 GR.B.
This is an ERW Tubing (Electric Resistance Welded) easily welded, rolled or punched. Steel and Pipes Stocks ASTM A500 GR.B.

MINIMUM MECHANICAL PROPERTIES

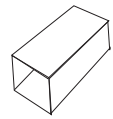
	Tensile Strength PSI	Yield Strength PSI	% Elongation in 2"
ASTM A500-GR.B	58,000	46,000	23
ASTM A500-GR.C	62,000	50,000	21

Outside Corner Radius

The radius of any outside corner of the section shall not exceed 3 times the nominal wall thickness.

Square Tubing

Standard Lenghts 20', 24' 40' and 48'



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
1/2 X 1/2	16	.065	.364
	14	.083	.470
3/4 X 3/4	16	.065	.585
	14	.083	.727
	1/8	.125	.950
1 X 1	16	.065	.806
	14	.083	1.01
	1/8	.125	1.44
1 1/4 X 1 1/4	16	.065	1.03
	14	.083	1.32
	1/8	.125	1.84
	3/16	.188	2.62
	1/4	.250	4.11
1 1/2 X 1 1/2	16	.065	1.25
	14	.083	1.57
	1/8	.125	2.25
	3/16	.188	3.35
	1/4	.250	4.25
1 3/4 X 1 3/4	16	.065	1.49
	14	.083	1.88
	1/8	.125	2.66
	3/16	.188	3.99
2 X 2	16	.065	1.69
	14	.083	2.16
	1/8	.125	3.05
	3/16	.188	4.31
	1/4	.250	5.41
2 1/2 X 2 1/2	16	.065	2.15
	14	.083	2.73
	1/8	.125	3.90
	3/16	.188	5.59
	1/4	.250	7.11
3 X 3	16	.065	2.59
	14	.083	3.26
	1/8	.125	4.75
	3/16	.188	6.88
	1/4	.250	8.81
	5/16	.313	10.58
	3/8	.375	12.16

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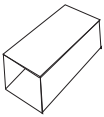
Square Tubing

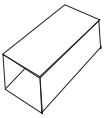
Standard Lenghts 20', 24' 40' and 48'



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
3 1/2 X 3 1/2	14	.083	3.80
	1/8	.125	5.61
	3/16	.188	8.16
	1/4	.250	10.51
	5/16	.313	12.70
	3/8	.375	15.94
4 X 4	1/8	.125	6.46
	3/16	.188	9.44
	1/4	.250	12.21
	5/16	.313	14.84
	3/8	.375	17.27
	1/2	.500	21.63
	5/8	.625	25.26
4 1/2 X 4 1/2	3/16	.188	10.71
	1/4	.250	13.91
	5/16	.313	16.96
	3/8	.375	19.82
	1/2	.500	27.20
5 X 5	3/16	.188	11.97
	1/4	.250	15.62
	5/16	.313	19.08
	3/8	.375	22.37
	1/2	.500	28.43
	5/8	.625	33.76
5 1/2 X 5 1/2	3/16	.188	13.25
	1/4	.250	17.32
	5/16	.313	21.21
	3/8	.375	24.93
	1/2	.500	31.81
6 X 6	3/16	.188	14.53
	1/4	.250	19.02
	5/16	.313	23.35
	3/8	.375	27.48
	1/2	.500	35.24
	5/8	.625	42.26
7 X 7	3/16	.188	17.11
	1/4	.250	22.42
	5/16	.313	27.59
	3/8	.375	32.58
	1/2	.500	42.05
	5/8	.625	50.76

Square Tubing

Standard Lenghts 20', 24' 40' and 48'



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
8 X 8	3/16	.188	19.66
	1/4	.250	25.82
	5/16	.313	31.86
	3/8	.375	37.69
	1/2	.500	48.85
	5/8	.625	59.32
9 X 9	1/4	.250	29.23
	5/16	.313	36.12
	3/8	.375	42.79
	1/2	.500	55.66
	5/8	.625	67.82
10 X 10	3/16	.188	24.73
	1/4	.250	32.63
	5/16	.313	40.37
	3/8	.375	47.90
	1/2	.500	62.46
	5/8	.625	76.33
12 X 12	5/16	.313	48.86
	3/8	.375	58.10
	1/2	.500	76.07
	5/8	.625	93.25
14 X 14	5/16	.313	57.36
	3/8	.375	68.31
	1/2	.500	89.68
	5/8	.625	110.36
16 X 16	5/16	.313	65.87
	3/8	.375	78.52
	1/2	.500	103.30
	5/8	.625	127.37

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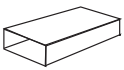
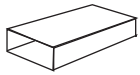
Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
1 1/2 X 1	16	.065	1.03
	14	.083	1.32
	1/8	.125	1.84
2 X 1	16	.065	1.25
	14	.083	1.57
	1/8	.125	2.25
	3/16	.188	3.35
	1/4	.250	4.25
2 X 1 1/2	16	.065	1.49
	14	.083	1.88
	1/8	.125	2.66
	3/16	.188	3.99
2 1/2 X 1	16	.065	1.49
	14	.083	1.88
	1/8	.125	2.66
	3/16	.188	3.99
2 1/2 X 1 1/2	16	.065	1.69
	14	.083	2.16
	1/8	.125	3.05
	3/16	.188	4.31
	1/4	.250	5.41
3 X 1	16	.065	1.69
	14	.083	2.16
	1/8	.125	3.05
	3/16	.188	4.31
	1/4	.250	5.41
3 X 1 1/2	16	.065	1.93
	14	.083	2.45
	1/8	.125	3.48
	3/16	.188	5.07
3 X 2	16	.065	2.15
	14	.083	2.73
	1/8	.125	3.90
	3/16	.188	5.59
	1/4	.250	7.11
3 X 2 1/2	14	.083	3.01
	1/8	.125	4.29
	3/16	.188	6.29

Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
3 1/2 X 1 1/2	16	.065	2.15
	14	.083	2.73
	1/8	.125	3.90
	3/16	.188	5.59
	1/4	.250	7.11
3 1/2 X 2	14	.083	3.01
	1/8	.125	4.29
	3/16	.188	6.29
3 1/2 X 2 1/2	16	.065	2.59
	14	.083	3.26
	1/8	.125	4.75
	3/16	.188	6.88
	1/4	.250	8.81
	5/16	.313	10.58
4 X 2	16	.065	2.59
	14	.083	3.29
	1/8	.125	4.83
	3/16	.188	6.87
	1/4	.250	8.81
	5/16	.313	10.58
4 X 2 1/2	14	.083	3.55
	1/8	.125	5.11
	3/16	.188	7.48
	1/4	.250	9.65
4 X 3	14	.083	3.80
	1/8	.125	5.61
	3/16	.188	8.16
	1/4	.250	10.51
	5/16	.313	12.70
4 1/2 X 2	14	.083	3.55
	1/8	.125	5.11
	3/16	.188	7.48
	1/4	.250	9.65
5 X 2	14	.083	3.80
	1/8	.125	5.61
	3/16	.188	8.16
	1/4	.250	10.51
	5/16	.313	12.70

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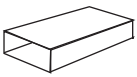
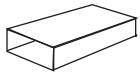
Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
5 X 2 1/2	1/8	.125	5.92
	3/16	.188	8.75
	1/4	.250	11.35
5 X 3	1/8	.125	6.46
	3/16	.188	9.44
	1/4	.250	12.21
	5/16	.313	14.84
	3/8	.375	17.27
	1/2	.500	21.63
	5/8	.625	25.26
5 X 4	3/16	.188	10.71
	1/4	.250	13.91
	5/16	.313	16.96
	3/8	.375	19.82
	1/2	.500	27.20
6 X 2	1/8	.125	6.46
	3/16	.188	9.44
	1/4	.250	12.21
	5/16	.313	14.84
	3/8	.375	17.27
	1/2	.500	21.63
	5/8	.625	25.26
6 X 3	3/16	.188	10.71
	1/4	.250	13.91
	5/16	.313	16.96
	3/8	.375	19.82
	1/2	.500	27.20
6 X 4	3/16	.188	11.97
	1/4	.250	15.62
	5/16	.313	19.08
	3/8	.375	22.37
	1/2	.500	28.43
6 X 5	3/16	.188	13.25
	1/4	.250	17.32
	5/16	.313	21.21
	3/8	.375	24.93
	1/2	.500	31.81

Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
7 X 3	3/16	.188	11.97
	1/4	.250	15.62
	5/16	.313	19.08
	3/8	.375	22.37
	1/2	.500	28.43
7 X 4	3/16	.188	13.25
	1/4	.250	17.32
	5/16	.313	21.21
	3/8	.375	24.93
	1/2	.500	31.81
7 X 5	3/16	.188	14.53
	1/4	.250	19.02
	5/16	.313	23.35
	3/8	.375	27.48
	1/2	.500	35.24
	5/8	.625	42.26
8 X 2	3/16	.188	11.97
	1/4	.250	15.62
	5/16	.313	19.08
8 X 3	3/16	.188	13.25
	1/4	.250	17.32
	5/16	.313	21.21
	3/8	.375	24.93
8 X 4	3/16	.188	14.53
	1/4	.250	19.02
	5/16	.313	23.35
	3/8	.375	27.48
	1/2	.500	35.24
	5/8	.625	42.26
8 X 5	3/16	.188	15.80
	1/4	.250	20.72
	5/16	.313	25.47
	3/8	.375	30.03
8 X 6	3/16	.188	17.11
	1/4	.250	22.42
	5/16	.313	27.59
	3/8	.375	32.58
	1/2	.500	42.05
	5/8	.625	50.76

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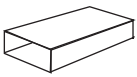
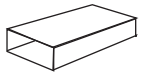
Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
9 X 5	1/4	.250	22.42
	5/16	.313	27.59
	3/8	.375	32.58
	1/2	.500	42.05
	5/8	.625	50.81
9 X 7	1/4	.250	25.82
	5/16	.313	31.86
	3/8	.375	37.69
	1/2	.500	48.85
	5/8	.625	59.32
10 X 2	3/16	.188	14.53
	1/4	.250	19.02
	5/16	.313	23.35
10 X 3	3/16	.188	15.80
	1/4	.250	20.72
	5/16	.313	25.47
10 X 4	3/16	.188	17.11
	1/4	.250	22.42
	5/16	.313	27.59
	3/8	.375	32.58
	1/2	.500	42.05
	5/8	.625	50.76
10 X 5	1/4	.250	24.12
	5/16	.313	29.72
	3/8	.375	35.13
10 X 6	1/4	.250	25.82
	5/16	.313	31.86
	3/8	.375	37.69
	1/2	.500	48.85
	5/8	.625	59.32
10 X 8	1/4	.250	29.23
	5/16	.313	36.12
	3/8	.375	42.79
	1/2	.500	55.66
	5/8	.625	67.82

Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
12 X 2	3/16	.188	17.11
	1/4	.250	22.42
	5/16	.313	27.59
	3/8	.375	32.58
12 X 3	3/16	.188	18.40
	1/4	.250	24.10
	5/16	.313	29.70
12 X 4	1/4	.250	25.82
	5/16	.313	31.86
	3/8	.375	37.69
	1/2	.500	48.85
	5/8	.625	59.32
12 X 6	1/4	.250	29.23
	5/16	.313	36.12
	3/8	.375	42.79
	1/2	.500	55.66
	5/8	.625	67.82
12 X 8	5/16	.313	40.37
	3/8	.375	47.90
	1/2	.500	62.46
	5/8	.625	76.33
12 X 10	5/16	.313	44.60
	3/8	.375	53.00
	1/2	.500	69.27
14 X 4	5/16	.313	36.12
	3/8	.375	42.79
	1/2	.500	55.66
	5/8	.625	67.82
14 X 6	5/16	.313	40.37
	3/8	.375	47.90
	1/2	.500	62.46
	5/8	.625	76.33
14 X 10	5/16	.313	48.86
	3/8	.375	58.10
	1/2	.500	76.07
	5/8	.625	93.25

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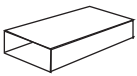
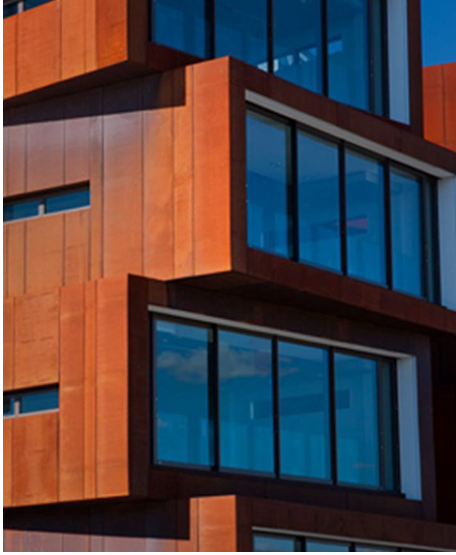
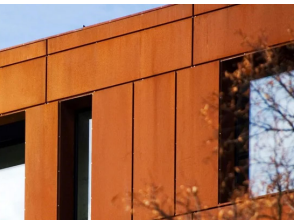
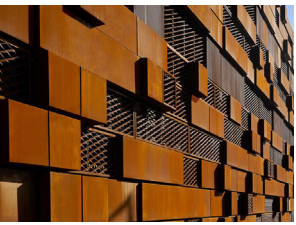
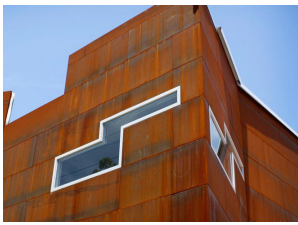
Rectangular Tubing



Size in Inches	Carbon Steel Average Wall Gauge	Carbon Steel Average Wall Decimal	Wgt. per Ft. in Lbs.
16 X 4	5/16	.313	40.37
	3/8	.375	47.90
	1/2	.500	62.46
	5/8	.625	76.33
16 X 8	5/16	.313	48.86
	3/8	.375	58.10
	1/2	.500	76.07
	5/8	.625	93.25
16 X 12	5/16	.313	57.36
	3/8	.375	68.31
	1/2	.500	89.68
	5/8	.625	110.36
18 X 6	5/16	.313	48.86
	3/8	.375	58.10
	1/2	.500	76.07
	5/8	.625	93.25
20 X 4	3/8	.375	58.10
	1/2	.500	76.07
	5/8	.625	93.25
20 X 8	3/8	.375	68.31
	1/2	.500	89.68
	5/8	.625	110.36
20 X 12	3/8	.375	78.52
	1/2	.500	103.30
	5/8	.625	127.37





CORTEN STEEL
AND ABRASIVE PLATES

STEEL AND PIPES
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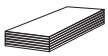
SHEET SELECTION GUIDE



HOT ROLLED

Commercial Quality Sheets produced from low carbon steel and intended for uses involving simple bending or moderate drawing and welding. A wide variety of applications from agriculture implements to autovotive equipment, from blower and ventilating systems to hot air registers, from stub barrels and drums to bins and partitions.

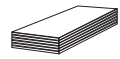
HOT ROLLED PICKLED & OILED

Pickled & Oiled Sheets should be used when the tight oxide scale present on Hot Rolled Sheets is objectionable. Pickled and Oiled Sheets with their superior smooth clean surface are recommended for stamping or ordinary drawing applications. After cleaning they can be painted or enameled.

COLD ROLLED

Cold Rolled Commercial Quality Sheets are produced from low carbon steel and are intended for exposed or unexposed parts involving bending, moderate drawing or forming and welding. Sheets of this quality have a greater degree of ductility and are more consistent in performance because of higher standards in production, selection, and processing of the steel. The surface finish is a dull matte texture.

HOT ROLLED STEEL SHEETS



COMMERCIAL QUALITY - LOW CARBON

Gauge Number	Stock Sizes (Inches)	Wt. Per sq. ft	Wt. Per Sheet
16 Ga.	48 x 96	2.500	80.0
	48 x 120	2.500	100.0
	48 x 144	2.500	120.0
	60 x 96	2.500	100.0
	60 x 120	2.500	125.0
	60 x 144	2.500	150.0
14 Ga.	48 x 96	3.125	100.0
	48 x 120	3.125	125.0
	48 x 144	3.125	150.0
	60 x 96	3.125	125.0
	60 x 120	3.125	156.3
	60 x 144	3.125	187.5
12 Ga.	48 x 96	4.375	140.0
	48 x 120	4.375	175.0
	48 x 144	4.375	210.0
	60 x 96	4.375	175.0
	60 x 120	4.375	218.8
	60 x 144	4.375	262.5
	72 x 120	4.375	262.5
	72 x 144	4.375	315.0
11 Ga.	48 x 96	5.000	160.0
	48 x 120	5.000	200.0
	48 x 144	5.000	240.0
	60 x 96	5.000	200.0
	60 x 120	5.000	250.0
	60 x 144	5.000	300.0
	72 x 120	5.000	300.0
	72 x 144	5.000	360.0
	72 x 240	5.000	600.0
10 Ga.	48 x 96	5.625	180.0
	48 x 120	5.625	225.0
	48 x 144	5.625	270.0
	60 x 96	5.625	225.0
	60 x 120	5.625	281.3
	60 x 144	5.625	337.5
	72 x 120	5.625	337.5
	72 x 144	5.625	405.0
	72 x 240	5.625	675.0

Custom cut length from coil is available. Subject to inquiry.
3/16" Thick and heavier are classed as plates.

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PLATE

COMMERCIAL AND SPECIFICATION GRADES

AVERAGE MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH psi	MINIMUM YIELD psi	ELONGATION IN 2" MIN%	MISC. PROPERTIES
Low Carbon 3/4" and Under 3/4"-1 1/2"	ORDERED TO CHEMISTRY NO PHYSICALS SPECIFIED			.10-.20 Carbon .15 -.25 Carbon
Over 1 1/2"				.20 -.33 Carbon
SPEC. GRADE				
ASTM A-36	50.000 to 80,000	36,000	23	.25-.29 Carbon
ASTM A514 T1-A	105.000 to 135.000	90.000 to 100,000	17 to 18	.229 to.293 Brinell
AR360	166,000	160,000	15	360 Brinell
AR400	190.000	184,000	15	400 Brinell
ASTM A285 Grade C	55,000 to 65,000	30,000	25	.28 Carbon
ASTM A515 Grade 70	70,000 to 85,000	38,000	17	.31 to .35 Carbon
ASTM A516 Grade 70	70,000 to 85.000	38,000	17	.27 to .31 Carbon
ASTM A572 Grade 50	65,000	50,000	21	.23 Carbon
A588	70,000	50,000	19	.20 Carbon

Steel Plates

Universal Mill and Sheared

Size (Inches)	Stock Sizes (Inches)	Wt. Per Sq. Ft	Wt. Per Sheet
3/16	48 x 96	7.65	244.80
	48 x 120		306.00
	48 x 144		367.20
	48 x 240		612.00
	60 x 120		382.50
	60 x 144		459.00
	60 x 240		765.00
	72 x 120		459.00
	72 x 240		918.00
	96 x 240		1,224.00
	120 x 480		3,060.00
1/4	48 x 96	10.20	326.40
	48 x 120		408.00
	48 x 144		489.60
	48 x 240		816.00
	60 x 120		510.00
	60 x 144		612.00
	60 x 240		1,020.00
	72 x 120		612.00
	72 x 240		1,224.00
	84 x 240		1,428.00
	96 x 240		1,632.00
	96 x 480		3,264.00
	120 x 480		4,080.00
5/16	48 x 96	12.75	408.00
	48 x 120		510.00
	48 x 144		612.00
	48 x 240		1,020.00
	60 x 120		637.50
	60 x 144		765.00
	60 x 240		1,275.00
	72 x 240		1,530.00
	84 x 240		1,785.00
	96 x 240		2,040.00
	96 x 480		4,080.00
	120 x 480		5,100.00
3/8	48 x 96	15.30	489.60
	48 x 120		612.00
	48 x 144		734.40
	48 x 240		1224.00
	60 x 120		765.00
	72 x 120		918.00
	72 x 240		1,836.00

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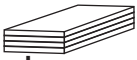
Steel Plates



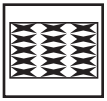
Universal Mill and Sheared

Size (Inches)	Stock Sizes (inches)	Wt. Per sq. ft	Wt. Per Sheet
3/8 (con't)	84 x 240		2,142.00
	96 x 240		2,448.00
	96 x 360		3,672.00
	96 x 480		4,896.00
	120 x 240		3,060.00
	120 x 480		6,120.00
1/2	48 x 96	20.40	652.80
	48 x 120		816.00
	48 x 144		979.20
	60 x 120		1,020.00
	72 x 120		1,224.00
	72 x 240		2,448.00
	84 x 240		2,856.00
	96 x 240		3,264.00
	96 x 360		4,896.00
	96 x 480		6,528.00
	120 x 240		4,080.00
	120 x 480		8,160.00
5/8	48 x 96	25.50	816.00
	48 x 120		1,020.00
	48 x 240		2,040.00
	60 x 120		1,275.00
	72 x 120		1,530.00
	72 x 240		3,060.00
	84 x 240		3,570.00
	96 x 240		4,080.00
	96 x 480		8,160.00
3/4	48 x 96	30.60	979.20
	48 x 120		1,224.00
	60 x 120		1,530.00
	72 x 240		3,672.00
	84 x 240		4,284.00
	96 x 240		4,896.00
	96 x 480		9,792.00
7/8	96 x 240	35.70	5,712.00
1"	48 x 96	40.80	1,305.60
	48 x 120		1,632.00
	48 x 240		3,264.00
	60 x 120		2,040.00
	72 x 120		2,448.00
	72 x 240		4,896.00
	84 x 240		5,712.00
	96 x 240		6,528.00
	96 x 480		13,056.00
1-1/8	96 x 240	45.90	7,344.00
	120 x 240		9,180.00

Steel Plates

Universal Mill and Sheared

Size (Inches)	Stock Sizes (inches)	Wt. Per sq. ft	Wt. Per Sheet
1-1/4	48 x 96	51.00	1,632.00
	48 x 120		2,040.00
	48 x 240		4,080.00
	60 x 120		2,550.00
	72 x 240		6,120.00
	96 x 240		8,160.00
1-1/2	48 x 96	61.20	1,958.40
	48 x 120		2,448.00
	48 x 240		4,896.00
	60 x 120		3,060.00
	48 x 96		1,958.40
	96 x 240		9,792.00
1-3/4	48 x 96	71.40	2,284.80
	48 x 120		2,856.00
	96 x 240		11,424.00
2	48 x 96	81.60	2,611.20
	48 x 120		3,264.00
	48 x 240		6,528.00
	96 x 240		13,056.00
2-1/4	48 x 96	91.80	2,937.60
	48 x 240		7,344.00
	96 x 240		14,688.00
2-1/2	48 x 96	102.00	3,264.00
	48 x 240		8,160.00
	96 x 240		16,320.00
2-3/4	48 x 96	112.00	3,584.00
	96 x 240		17,920.00
3	48 x 96	122.40	3,916.80
	96 x 240		19,584.00
3-1/2	48 x 96	142.80	4,569.60
	96 x 240		22,848.00
4	48 x 96	163.20	5,222.40
	48 x 240		13,056.00
4-1/2	48 x 96	183.60	5,875.20
	96 x 240		29,376.00
5	48 x 96	204.00	6,528.00
	96 x 120		16,320.00
	96 x 240		32,640.00



FLOOR PLATE

(Or checkered Plate)

Thickness	Stock Sizes (inches)	Wt. Per Sq. Ft	Wt. Per Piece
1/8	48 x 96	6.15	196.80
	48 x 120		246.00
	48 x 144		295.20
	48 x 240		492.00
	60 x 120		307.50
	60 x 240		615.00
3/16	48 x 96	8.70	278.40
	48 x 120		348.00
	48 x 240		696.00
	60 x 120		435.00
	60 x 240		870.00
	72 x 240		1,044.00
	96 x 240		1,392.00
1/4	48 x 96	11.25	360.00
	48 x 120		450.00
	48 x 240		900.00
	60 x 240		1,125.00
	72 x 240		1,350.00
	96 x 240		1,800.00
5/16	48 x 120	13.80	552.00
	48 x 240		1,104.00
	60 x 240		1,380.00
	72 x 240		1,656.00
	96 x 240		2,208.00
3/8	48 x 120	16.35	654.00
	48 x 240		1,308.00
	60 x 240		1,635.00
	72 x 240		1,962.00
	96 x 240		2,616.00
1/2	48 x 120	21.45	858.00
	48 x 240		1,716.00
	60 x 240		2,145.00
	96 x 240		3,432.00
5/8	96 x 240	26.55	4,248.00
3/4	96 x 240	31.60	5,056.00
1	96 x 240	41.80	6,688.00

GALVANIZED AND ELECTROGALVANIZED SHEETS

GALVANIZED SHEET & COIL

Electro-galvanized conforms to ASTM A-591. Regardless of coating weight, spangle size, method of manufacture or surface preparation required SLP can supply the material needed.

GALVANIZED SHEETS are continuosly hot dip coated with a durable protective coating of zinc. Can be formed without flaking or peeling. Stamping, cold drawing, double seaming and brake or roll forming will not impair their protective qualities. Can be welded and soldered. Coatings are G90 (minimum .90 oz. per foot).

HOT DIPPED GALVANIZED is also available on special order in extra heavy coatings, differentially coated.

GALVALUME is a corrosion resistant sheet, continuosly hot dipped coated with an aluminum zinc alloy. For certain applications it offers a substantial increase in corrosion resistance over G90 galvanized sheet. It can be readily formed, welded and soldered. End uses: appliance and automotive parts, metal buildings and agricultural parts. Conforms to ASTM A-792 AZ 50 coating.

ELECTRO-GALVANIZED sheets are cold rolled steel sheets zinc coated by electrolytic deposition and conform to A-591. Should be painted if subject to outdoor exposure. The coating has a uniform dull gray matte appearance without the spangles normally present on hot dipped galvanized. The surface has been phosphate treated for immediate paintability. Can also be formed, rolled or stamped without flaking, powdering, peeling or cracking. Electrogalvanized sheets have same gauge thickness as cold rolled sheets. Particularly suited for cabinets, signs, light fixtures, etc., where an excellent finish is required.

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GALVANIZED AND ELECTROGALVANIZED SHEETS

THICKNESS			WEIGHT		
MSG No.	Sheet Equiv-alent Inches	Order Limit Inches	Pounds Per Square Foot	Order Limit Pounds	MSG No.
8	.1681	.1756 to .1607	7.0312	7.343 to 6.719	8
9	.1532	.1606 to .1458	6.4062	6.718 to 6.094	9
10	.1382	.1457 to .1308	5.7812	6.093 to 5.469	10
11	.1233	.1307 to .1159	5.1562	5.468 to 4.844	11
12	.1084	.1158 to .1009	4.5312	4.843 to 4.219	12
13	.0934	.1008 to .0860	3.9062	4.218 to 3.594	13
14	.0785	.0859 to .0748	3.2812	3.593 to 3.125	14
15	.0710	.0747 to .0673	2.9687	3.124 to 2.813	15
16	.0635	.0672 to .0606	2.6562	2.812 to 2.531	16
17	.0575	.0605 to .0546	2.4062	2.530 to 2.281	17
18	.0516	.0545 to .0486	2.1562	2.280 to 2.031	18
19	.0456	.0485 to .0426	1.9062	2.030 to 1.781	19
20	.0396	.0425 to .0382	1.6562	1.780 to 1.594	20
21	.0366	.0381 to .0352	1.5312	1.593 to 1.469	21
22	.0336	.0351 to .0322	1.4062	1.468 to 1.344	22
23	.0306	.0321 to .0292	1.2812	1.343 to 1.219	23
24	.0276	.0291 to .0262	1.1562	1.218 to 1.094	24
25	.0247	.0261 to .0232	1.0312	1.093 to .969	25
26	.0217	.0231 to .0210	.9062	.968 to .875	26
27	.0202	.0209 to .0195	.8437	.874 to .813	27
28	.0187	.0194 to .0180	.7812	.812 to .750	*28
29	.0172	.0179 to .0165	.7187	.749 to .688	29
30	.0157	.0164 to .0157	.6562	.687 to 657	30

SHEET TOLERANCE

AISI Thickness Tolerance Range

Gage No.	Thickness Inches					
	H.R. and H.R.P. 0.		C.R.		Galv.	
	Dec. Equiv.	Toler. Range	Dec. Equiv.	Toler. Range	Dec. Equiv.	Toler. Range
7	.1793	.1873 .1713	.1793	.1883 .1703		
8	.1644	.1724 .1564	.1644	.1734 .1554		
9	.1495	.1575 .1415	.1495	1585 .1405		
10	.1345	.1425 .1265	.1345	.1405 .1285	.1382	.1472 .1292
11	.1196	.1276 .1116	.1196	.1256 .1136	.1233	.1323 .1143
12	.1046	.1126 .0966	.1046	.1106 .0986	.1084	.1174 .0994
13	.0897	.0967 .0827	.0897	.0947 .0847	.0934	.1014 .0854
14	.0747	.0817 .0677	.0747	.0797 .0697	.0785	.0865 .0705
15	.0673	.0733 .0613	.0673	.0723 .0623	.0710	.0770 .0650
16	.0598	.0658 .0538	.0598	.0648 .0548	.0635	.0695 .0575
17	.0538	.0598 .0478	.0538	.0578 .0498	.0575	.0625 .0525
18	.0478	.0528 .0428	.0478	.0518 .0438	.0516	.0566 .0466
19	.0418	.0458 .0378	.0456	.0506 .0406		
20	.0359	.0389 .0329	.0396	.0436 .0356		
21	.0329	.0359 .0299	.0366	.0406 .0326		
22	.0299	.0329 .0269	.0336	.0376 .0296		
23	.0269	.0299 .0239	.0306	.0346 .0266		
24	.0239	.0269 .0209	.0276	.0316 .0236		
25	.0209	.0239 .0179	.0247	.0287 .0207		
26	.0179	.0199 .0159	.0217	.0247 .0187		
27	.0164	.0184 .0144	.0202	.0232 .0172		
28	.0149	.0169 .0129	.0187	.0217 .0157		
29	.0135	.0155 .0115	.0172	.0202 .0142		
30	.0120	.0130 .0110	.0157	.0187 .0127		

CR - Tolerances for widths over 48" thru 72"
HR - Tolerances for widths over 40" thru 48"
Galv - Tolerances for widths over 40" thru 60"

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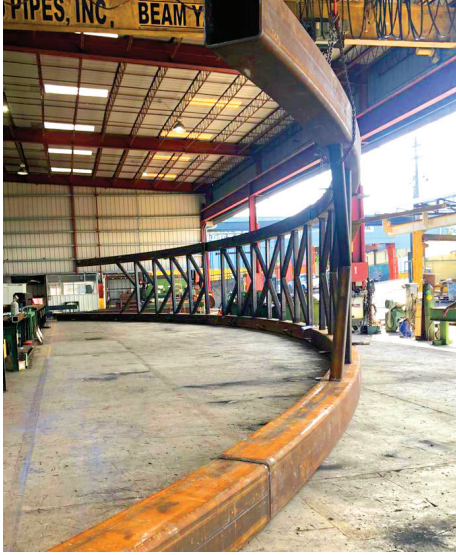

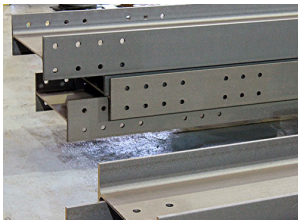

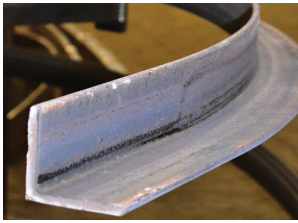

MISCELLANEOUS
METAL FABRICATIONS

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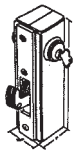
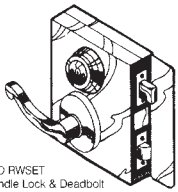
Gates & Locks

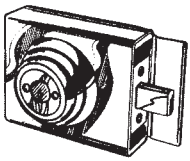


SPO 220.020.128A
Hooklock 1-1/8" set back

SPO HDSBXL
Slide Bolt 6"



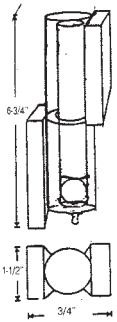
SPO RWSET
Brass Lever Handle Lock & Deadbolt
W/Black Metal Box Assembled, W/2 Keys
(Bright Brass and Antique Brass)

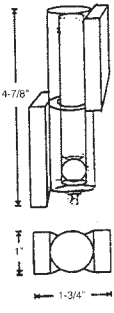


SPO 220.020.6665
Double Deadbolt Lock With Concealed Screws
W/Black Metal Box
(Bright Brass and Antique Brass)

Barrel and Block Hinges

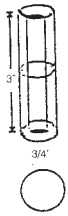
SPO BH07
7" (1500 lbs. capacity)
3/4" Diameter pin

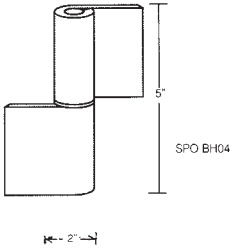


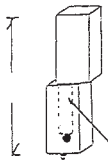


SPO BH05
5" (1500 lbs. capacity)
5/8" Diameter pin

SPO BH03
3" (100 lbs. capacity)





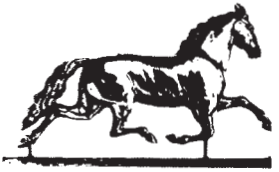


SPO BH05S
(1000 lbs. capacity)
5/8" Diameter
stainless steel pin
Grease-fitting
& ball bearing

We have over 400 diferents designs. See our master catalog.

Wall Decors

SPO 1000Y
Leo, the proud and rampant Britanic lion
H. 32" x W. 14"
Aluminum Only



SPO 741
H. 23" x W. 35"
9.5 lbs.

Wall Brackets

SPO 717
H. 19" x W. 36"
6.5 lbs.

SPO WT-109A

SPO 3/8" DRV

SPO 1003

SPO 1005

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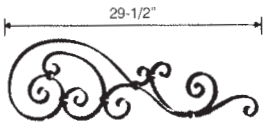
Railing Panels

SPO 696
H. 31-1/2" x W. 9"
6.5 lbs.

SPO 9602
H. 23-1/4" x W. 8-3/8"

Pressed Steel Moulding 10' Lenghts



SPO No. LK 7503
3/4" x 1/4"
7.2 lbs.

SPO No. LK 803
3/4" x 1/4"
6.6 lbs.

SPO No. LK 1103
3/4" x 1/4"
12.2 lbs.

We have over 400 diferents designs. See our master catalog.

Spear & Caps

SPO 656
H. 5-1/2" x W. 3-1/2"
Base: 1"OD
1/2" ID Square
.6 lbs.

SPO J6A
H. 5" x W. 3 1/4"
Base: 1"OD
1/2" ID Square
.5 lbs.

SPO 9-RS
H. 3-7/8"
Base: 7/8"OD
1/2" ID Round
.25 lbs.

SPO J3A
H. 4-3/8" x W. 2-1/4"
Base: 1/2"OD
1/2" ID Square
.33 lbs.

SPO 656-H
H. 6" x W. 3-1/2"
Base: 1"OD
5/8" ID Square
.75 lbs.

SPO 848
H. 7-3/4" x W. 4-5/8"
Base: 1/2" ID Square
2 lbs.

SPO 655-A
H. 6-1/2" x W. 3-1/2"
Base: 1"OD
1/2" ID Round
1 lbs.

SPO 9S
Square Hollow Base
Fit Inside Square
Tube Of 1"

SPO 7-X
1" Diameter Ball
H. 2-1/4"
Plug: 1" x 3/4" Deep
.5 lbs.

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Spear & Caps

SPO 117
Lemon Drop
H. 3-1/4"
Plug: 1" x 1/4" Deep
1 lbs.

SPO Star
W. 1-1/4" x H. 3-1/2" OH
Plug. 1" x 1/2" Deep OD
1 lbs.

SPO 670-CFY
W. 4" x 6-5/8" OH
Plug: 3/4" x 1-3/8" Deep
1 lbs.

SPO 119
Newel Post Ball
2-3/4" Diameter Ball
H. 5-1/2"
Base: Fits Over 4" Tubing
4 lbs.

SPO 662
H. 8" x W. 2-3/4"
Fits over 1"
.75 lbs.

SPO 671 XL
H. 8" x W. 1-1/2"

SPO 832
Square Hollow Base
Fit Inside Square
Tube Of 1"

SPO 671-AF
H. 5" x W. 2"
Base: 1-1/4"OD
3/4" ID Square
1 lbs.

SPO 661
4 Sided Arrow Point
H. 4-1/4"
Plug: 1" x 1" Deep
.75 lbs.

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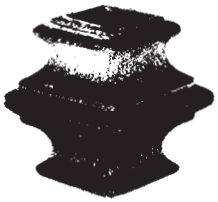
Collars & Bases

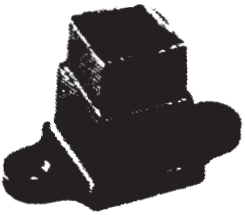


SPO 251
Fits Over 1/2"
H. 2" x W. 1-3/4"
1/3 lbs.

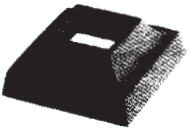
SPO 8397 Base
H. 8-1/2" x W. 6"
17 lbs.
Fits Over 3" Round

SPO 8518
Collar For 1/2"
.7 lbs.

SPO 251HEX Fits Over 1/2" Sq.
SPO 251 H HEX Fits Over 5/8" Sq.
SPO 251 Z HEX Fits Over 1" Sq.



SPO SS 1/2



SPO 234-112
Fits 1-1/2" Sq.
Over 3" Base Plate
.85 lbs.

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Cast Iron Designs

SPO 85
Bird Of Paradise
H. 24-3/4" x W. 8-1/8"
11.3 lbs.

SPO 81
H. 15.5" x W. 8.5"
7.5 lbs.

SPO 87A
H. 27" x W. 9"
12 lbs.

SPO 1335
H. 33-1/4" x W. 8-3/4"
13.5 lbs.

SPO 65X
H. 27-3/4" x W. 7-3/4"
10 lbs.

SPO 65
H. 19-1/2" x W. 7"
6 lbs.

SPO 625
H. 30-1/2" x W. 8-5/8"
10 lbs.

SPO 67
Pontalba
H. 28-1/2" x W. 8-1/4"
8.5 lbs.

SPO 7163
H. 26-7/8" x W. 6-1/4"

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Cast Iron Designs

SPO 7163
H. 26-7/8" x W. 6-1/4"

SPO 86
H. 26-1/2" x W. 10"
9 lbs.

SPO 630
H. 30" x W. 8"
10 lbs.

SPO 610
H. 28-5/8" x W. 7-5/8"
9.5 lbs.

SPO 6357
H. 28-1/2" x W. 9-1/4"

SPO 1345
H. 33-1/4" x W. 5"
10 lbs.

SPO 1300
H. 33-1/4" x W. 5"
8.75 lbs.

SPO 44
H. 31-1/2" x W. 6-1/4"
5.5 lbs.

SPO 96F
Passion Flower Design
H. 24-1/2" x W. 6-3/4"
8 lbs.

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Cast Iron Designs

SPO 88
H. 30-3/8" x W. 8-1/4"
9 lbs.

SPO 7153
H. 23-1/2" x W. 15-1/8"

SPO 150
Wedding Ring Design
H. 19-1/4" x W. 7-1/4"
4 lbs.

SPO 632
H. 23-3/4" x W. 11-1/2"
13 lbs.

SPO 680
H. 10" x W. 22"
6 lbs.

SPO 675
H. 22" x W. 8"
8 lbs.

SPO 640
H. 27-1/2" x W. 7-1/2"
8 lbs.

SPO 6026
H. 22-3/4" x W. 8"
7 lbs.

SPO 9611
H. 28-3/4" x W. 11-3/4"
14 lbs.

We have over 400 diferents designs. See our master catalog.

Cast Iron Designs

SPO 9600
H. 29-3/8" x W. 11"
24 lbs.

SPO 7615
H. 27-5/8" x W. 4-5/8"
7 lbs.

SPO 7614
H. 27-5/8" x W. 4-5/8"
7 lbs.

SPO 9644
H. 29" x W. 3-1/2"
8 lbs.

SPO 9643
H. 29" x W. 3-1/2"
8 lbs.

SPO 89-A
H. 29-3/4" x W. 4"
7 lbs.

SPO 8307
H. 28" x W. 2-1/2"
7 lbs.

SPO 8305
H. 31-1/4" x W. 2-1/4"
7.5 lbs.

SPO 9617
H. 28-1/4" x W. 7"
7 lbs.

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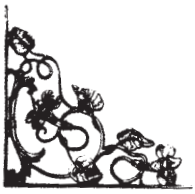
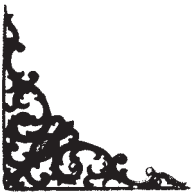
Cast Iron Designs

SPO 58
23" x 20-1/4"
11 lbs.



SPO 56
17" x 16.25"
7 lbs.

SPO 852
14-1/4" x 17-3/4"
6 lbs.



SPO 80C
15-1/2" x 15-1/2"
8 lbs.

SPO 70
9-3/4" x W. 18-3/4"
6.5 lbs.

SPO 74-X
18" x 18"
8 lbs.

SPO 40A
16" x 16"
5.5 lbs.

SPO 50
18-1/2" x 17-3/4"
10 lbs.

SPO 60
17" x 17"
7.5 lbs.

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Cast Iron Designs

SPO 79
H. 2-3/4" x W. 19"
3 lbs.

SPO 62-X
H. 6" x W. 23"
5.5 lbs.

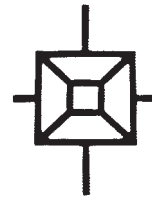
SPO 15A
H. 6" x W. 26"
7 lbs.

SPO 15A
H. 6" x W. 26"
7 lbs.

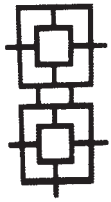
SPO 93
H. 23-1/4" x W. 9-1/4"
7.5 lbs.

SPO 7314
H. 14-1/8" x W. 3-7/8"
4 lbs.

SPO 68
H. 19" x W. 6"
7 lbs.



SPO 38
H. 15" x W. 10.5"
3.5 lbs.



SPO 38X
H. 18-3/4" x W. 10-1/2"
5.5 lbs.

SPO 38XL
H. 24.25" x W. 9.75"
9.5 lbs.

SPO 238
H. 19" x W. 9-1/2"

SPO 8325
10.5 Diameter
9.5 lbs.

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Cast Iron Designs

SPO 75
H. 27" x W. 7-7/8"
10 lbs.

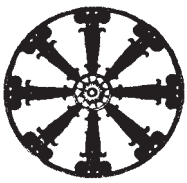
SPO 78-A
H. 25.5" x W. 8"
9.5 lbs.

SPO 74-C
H. 28.25" x W. 8-5/8"
11 lbs.

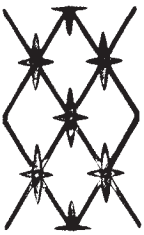
SPO 79-A
H. 21.75" x W. 7"
5 lbs.

SPO 7462
H. 29" x W. 6-3/4"
9 lbs.

SPO 89
H. 27-3/4" x W. 6"
10 lbs.



SPO 619
17.5" Diameter
9 lbs.



SPO 9044
H. 26.75" x W. 16"
14.75 lbs.

SPO 45A
H. 26.25" x W. 8.5"
7.5 lbs.

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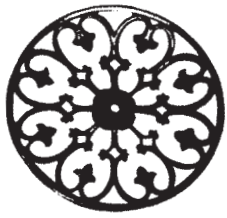
Cast Iron Designs

SPO 46
H. 7.25" x W. 6.25"
1 lbs.

SPO 98
H. 29" x W. 8"
9 lbs.

SPO 54
H. 30" x W. 10"
12 lbs.

SPO 29
H. 27.25" x W. 8"
10 lbs.



SPO 7510(SF)
15" Diameter
13 lbs.

SPO 14-XL(SF)
20" Diameter
18 lbs.

SPO 618
23" x 23"
14 lbs.

SPO 685-XS
H. 20-1/4" x W. 13-1/2"
15 lbs.

SPO 644
H. 23-1/2" x W. 9"
12 lbs.

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Cast Iron Designs

SPO 631
H. 28-1/2" x W. 11-1/4"
15 lbs.

SPO 645
H. 26" x W. 10-1/4"
10 lbs.

SPO 9019
H. 26-1/4" x W. 11-1/2"
15.5 lbs.

SPO 693
H. 29-1/2" x W. 5-1/2"
8 lbs.

Modern Designs

SPO 679
H. 4" x W. 4"
3/4 lbs.

SPO 639
H. 8" x W. 3"
1-1/2 lbs.

SPO 32
H. 16-3/4" x W. 8-3/4"
3-1/2 lbs.

SPO 76
H. 17-1/2" x W. 7-3/4"
5-1/2 lbs.

SPO 19
H. 15-1/2" x W. 7-3/4"
5-1/2 lbs.

SPO 34
H. 8/4" x W. 10-1/4"
2.5 lbs.

SPO 679-XL
H. 6-1/2" x W. 8-1/4"
2 lbs.

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Modern Designs

SPO 145
H. 7-3/4" x W. 6-1/4"
1-3/4 lbs.

SPO 8330
H. 18" x W. 7"
3-1/2 lbs.

SPO 8332
H. 15" x W. 5-3/4"
3 lbs.

SPO 8333
H. 17" x W. 6-3/4"
3 lbs.

SPO 33
H. 15" x W. 8"
3-1/2 lbs.

SPO 641
H. 17-5/8" x W. 7-3/4"
3 lbs.

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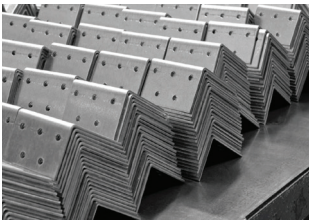
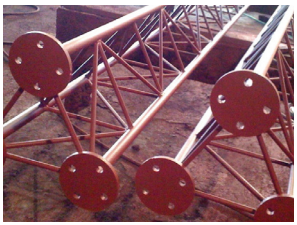
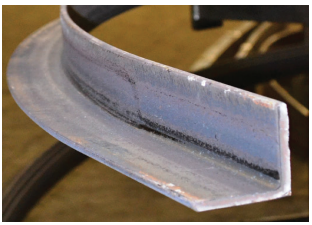
MISCELLANEOUS
METAL FABRICATIONS



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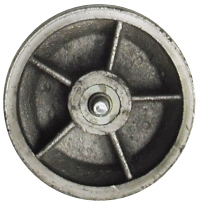
ITEM NUMBER	DESCRIPTION
8.VG3	V-GROOVE WHEEL 3"

- 1,320 Lbs. Capacity
- No lubrication needed

ITEM NUMBER	DESCRIPTION
220.020.3074	GATE WHEELS 4"

- Grease fitting for lubrication
- Cast Iron



ITEM NUMBER	DESCRIPTION
220.020.3076	GATE WHEELS 6"

- Grease Fitting for Lubrication
- Cast Iron

ITEM NUMBER	DESCRIPTION
8.VG4I	ITALIAN 4" V/G THICK 1320LB

- 1,320 Lbs. Capacity
- No lubrication needed

ITEM NUMBER	DESCRIPTION
8.VG4IB	4" WHEEL WITH BRACKET

- 3,000 Lbs. Capacity
- No lubrication needed

- 3,000 Lbs. Capacity
- No lubrication needed

ITEM NUMBER	DESCRIPTION
8.VG4IH	ITALIAN 4" V/G THICK CHROME HEAVY DUTY

ITEM NUMBER	DESCRIPTION
8.VG6I	WHEEL 6" 160 X 30MM ART844/13

- 5,000 Lbs. Capacity
- No lubrication needed

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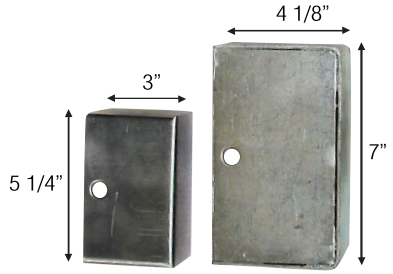
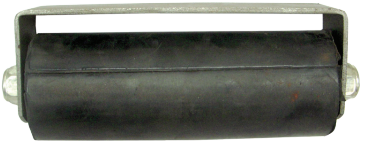
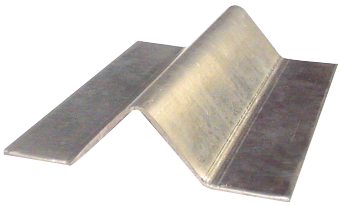


ITEM NUMBER	DESCRIPTION
8.VGBOXG	V-GROOVE BOX 4" GALV.
8.VGBOX6	V-GROOVE BOX 6" GALV.



- Smooth Rubber Cylinder
- Sturdy Metal Bracket

ITEM NUMBER	DESCRIPTION
8.RG3	GUIDE ROLL 3"
8.RG6	GUIDE ROLL 6"

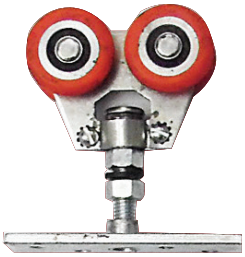


SLIDING GATE V- GROOVE TRACK

ITEM NUMBER	DESCRIPTION
8.VTRACK	V-TRACK FOR GATES 20'

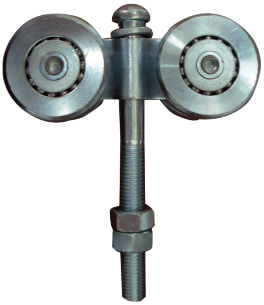
- Fits "V" Grooved Wheels
- 1 1/4" H x 4" w x 20'-0" lenght

• All kinds of wheels for several capacities
• Available sizes 3", 4", 6"



ITEM NUMBER	DESCRIPTION
8.D150	SINGLE TROLLEY FOR RAIL U-30
8.D300	DOUBLE TROLLEY FOR RAIL U30

ITEM NUMBER	DESCRIPTION
8.D700	HEAVY TROLLEY FOR RAIL U700



ITEM NUMBER	DESCRIPTION
220.020.105B	TROLLEY TRUCK "CAJA BOLA" 50C

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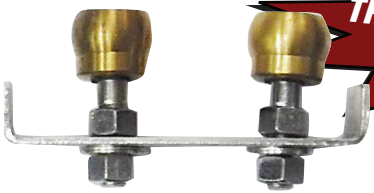
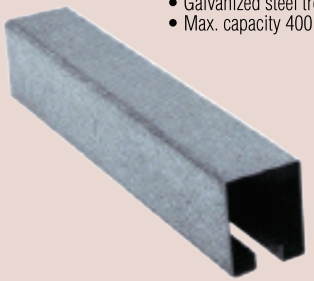


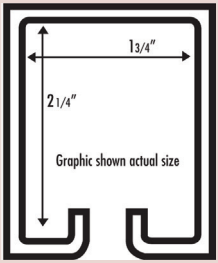
ALL TROLLEY TRUCKS ARE SOLD IN PAIRS

ITEM NUMBER	DESCRIPTION
8.GUIA	DOUBLE GUIDE 35mm BRONCE

ITEM NUMBER	DESCRIPTION
220.020.051F	BRACKET RAIL FOR TROLLEY

- Galvanized steel trolley track.
- Max. capacity 400 lbs.





SLIDING DOOR TRACK

ITEM NUMBER	DESCRIPTION	LENGH
220.020.1606	TROLLEY RAIL GALV. 6L.FT	6'-0"LONG
220.020.1608	TROLLEY RAIL GALV. 8L.FT	8'-0"LONG
220.020.1610	TROLLEY RAIL GALV. 10L.FT	10'-0"LONG
220.020.1612	TROLLEY RAIL GALV. 12L.FT	12'-0"LONG
220.020.1614	TROLLEY RAIL GALV. 14L.FT	14'-0"LONG
220.020.1616	TROLLEY RAIL GALV. 16L.FT	16'-0"LONG
220.020.1620	TROLLEY RAIL GALV. 20L.FT	20'-0"LONG

STANDARD DUTY WELDABLE HINGE

ITEM NUMBER	DESCRIPTION
8.1010	HINGE 3-1/2" X 2-1/4"
220.007.3535	HINGES BLIND 3-1/2" X 3-1/2"
220.007.4040	HINGES BLIND 4" X 4"

STEEL BARRIER HINGE

ITEM NUMBER	DESCRIPTION
8.BH03	3" ROUND HINGE

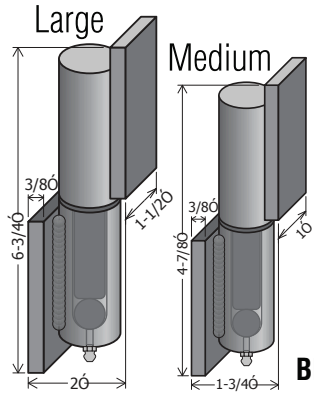
- For gates/doors up to 100lbs.

BARREL HINGES

ITEM NUMBER	DESCRIPTION
8.BH05	5" BARREL HINGE (MEDIUM)
8.BH07	7" BARREL HINGE (LARGE)

- 5" For gates/doors up to 400lbs.
- 7" For gates/doors up to 700lbs.

- Weldable - Machined from high strength steel with a heavy duty plate welded securely on the side for easy weld-on installation. Grease fitting for easy lubrication. Ball bearing for smooth operation.



BH07 **BH05**

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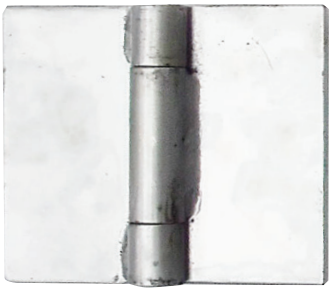


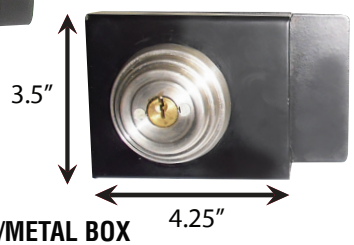
EXTRA HEAVY DUTY WELDABLE HINGE

NUMBER	DESCRIPTION
8.BH06	HEAVY DUTY HINGE GRAY 6"X5"

PLUG HINGE WITH RIGHT & LEFT WING

NUMBER	DESCRIPTION
8.BH04	GOZNE DE PERNO 4"

- For gates/doors up to 300lbs.

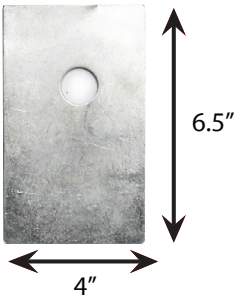


DEADBOLT LOCK W/METAL BOX

ITEM NUMBER	DESCRIPTION
220.020.6665	GATE LOCK 6665 ("CAJA CUADRADA")

HOOK LOCK

ITEM NUMBER	DESCRIPTION
220.020.128A	HOOK LOCK



YALE® LOCK PLATE

ITEM NUMBER	DESCRIPTION
8.CHAPA	CHAPA CERRADURA YALE

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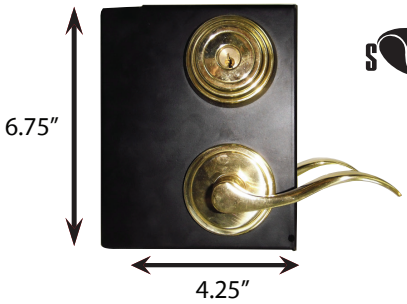
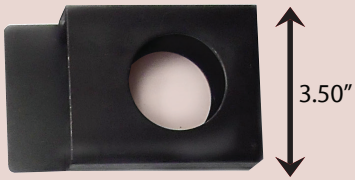


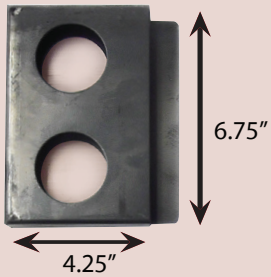
DOUBLE DEADBOLT LEVER PASSAGE W/ BLACK METAL BOX

ITEM NUMBER	DESCRIPTION
8.RWSET	MOUNTED DOUBLE LOCK



STEEL STANDARD SINGLE BOX

ITEM NUMBER	DESCRIPTION
8.C5	CAJA CERRADURA SENCILLA (P96)



STEEL STANDARD DOUBLE BOX

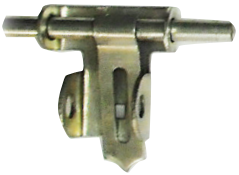
ITEM NUMBER	DESCRIPTION
8.C6	CAJA CERRADURA DOBLE (P96)

ITEM NUMBER	DESCRIPTION
8.1004	WELD TAB 1/4"X1-/2"X1-1/2"

ITEM NUMBER	DESCRIPTION
8.1003	3/8" HOLE WALL CLIP (P17)

ITEM NUMBER	DESCRIPTION
8.1005	BRAKET 1/4"X2-1/2" HOLE 5/8"

ITEM NUMBER	DESCRIPTION
8.WT-109A	BRACKET 3-1/2"L 1"W L SHAPE



ITEM NUMBER	DESCRIPTION
8.HDSBG	1/2" GALVANIZED SLIDE BOLT

ITEM NUMBER	DESCRIPTION
8.P3	SMALL SLIDE BOLT "PESTILLO ARMADO PEQ. #3"

ITEM NUMBER	DESCRIPTION
8.HDSBXL	XL HD SLIDE BOLT, 2-3/4" BOLT

ITEM NUMBER	DESCRIPTION
8.P2	MEDIUM SLIDE BOLT "PESTILLO ARMADO MEDIANO DER o IZQ #2"

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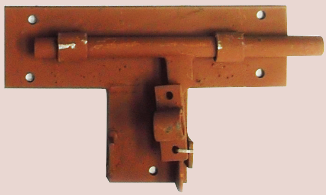
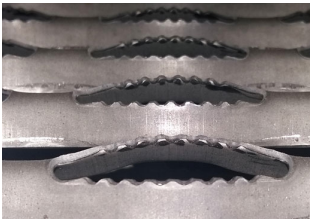
ITEM NUMBER	DESCRIPTION
8.T606G	BRAKET “PASAMANO” GALVANIZED

ITEM NUMBER	DESCRIPTION
8.3/8 DRV	3/8" X 2" “CLAVOS”/EXP ALUM.



ITEM NUMBER	DESCRIPTION
8.P1	BIG SLIDE BOLT “PESTILLO ARMADO GRANDE #1”

ITEM NUMBER	DESCRIPTION
8.PESTILLO	PESTILLO SIN ARMAR



STEPBLOC

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METRIC SYSTEM

LENGTH — Basic unit is meter (m)

Metric Unit	Meters	Inches	Feet	Yards	Miles
Millimeter (mm)	.001	—	—	—	—
Centimeter (cm)	.01	.3937	—	—	—
Decimeter (dm)	.1	3.937	.3281	.1094	—
Meter (m)	1	39.37	3.281	1.094	—
Decameter (dkm)	10	393.7	32.81	10.94	—
Hectometer (hm)	100	3937	328.1	109.4	—
Kilometer (km)	1000	—	3281	1094	.6214

To convert

In. to Millimeters – multiply by 25.4
Millimeters to In. – multiply by .03937
Feet to Meters – multiply by .3048
Meters to Feet – multiply by 3.281
Yards to Meters – multiply by .9144
Meters to Yards – multiply by 1.094
Miles to Kilometers – multiply by 1.609
Kilometers to Miles – multiply by .6214

AREA — Basic unit is centare (ca) which is 1 square meter

Metric Unit	Centares	Square Inches	Square Feet	Square Yards	Acres
Sq. Millimeter (sq. mm)	.000001	—	—	—	—
Sq. Centimeter (sq. cm)	.0001	.1550	—	—	—
Sq. Decimeter (sq. dm)	.01	15.50	.1076	—	—
Centare/Sq. Meter (ca/sq. m)	1	1550	10.76	1.196	—
Acre (a)	100	—	1076	119.6	—
Hectare (ha)	10,000	—	—	—	2.471
Sq. Kilometer (sq. km)	1,000,000	—	—	—	247.1

To convert

Sq. In. to Sq. cm – multiply by 6.452
Sq. cm to Sq. In. – multiply by .1550
Sq. Ft. to Sq. m. – multiply by .0929
Sq. m. to Sq. Ft. – multiply by 10.76
Sq. Yds. to Sq. m. – multiply by .8361
Sq. m. to Sq. Yds. – multiply by 1.196
Acres to Hectares – multiply by .4047
Hectares to Acres – multiply by 2.471
Acres to Sq. km. – multiply by .004047
Sq. km. to Acres – multiply by 247.1
Sq. Miles to Sq. km. – multiply by 2.590
Sq. km. to Sq. Miles – multiply to .3861

VOLUME — Basic unit is stere (s) which is 1 cubic meter

Metric Unit	Steres	Cubic Inch	Cubic Foot	Cubic Yards
Cu. Millimeter (cu mm)	.000000001	—	—	—
Cu. Centimeter (cu cm)	.000001	.06102	—	—
Cu. Decimeter (cu dm)	.001	61.023	—	—
Decistere (ds)	.1	6102.3	3.531	.1308
Stere/Cu. Meter (s/cu m)	1	61023	35.31	1.308
Decastere (dks)	10	—	353.1	13.08

To convert

Cu. In. to Cu. mm – multiply by 1639
Cu. mm to Cu. in. – multiply by .000061
Cu. In. to Cu. cm – multiply by 16.39
Cu. cm to Cu. In. – multiply by .06102
Cu. Ft. to Cu. m – multiply by .0283
Cu. m to Cu. Ft. – multiply by 35.31
Cu. Yds. to Cu. m – multiply by .7646
Cu. m to Cu. Yds. – multiply by 1.308

WEIGHT — Basic unit is gram (g)

Metric Unit	Grams	Grains	Ounces	Pounds
Milligram (mg)	.001	.01543	—	—
Centigram (cg)	.01	.1543	—	—
Decigram (dg)	.1	1.543	—	—
Gram	1	15.43	.03527	—
Decagram (dkg)	10	154.3	.3527	—
Hectogram (hg)	100	1543	3.527	.22046
Kilogram (kg)	1000	—	35.27	2.2046
Quintal (q)	100,000	—	3527	220.46
Metric Ton (MT)	1,000,000	—	—	2204.6

METRIC SYSTEM, Cont'd

WEIGHT — (continued)

To convert

Grains to Centigrams – multiply by 6.48
Centigrams to Grains – multiply by .1543
Ounces to Grams – multiply by – 28.35
Grams to Ounces – multiply by .03527
Pounds to Kilograms – multiply by .4536
Kilograms to Pounds – multiply by 2.2046
Tons (2000 #) to Metric Tons – multiply by .9078
Metric Tons to Tons (2000 #) – multiply by 1.1023

CAPACITY — Basic unit is liter (l)

Metric Unit	Liters	Cubic Capacity		Liquid Capacity			
		Cu. In.	Cu. Ft.	Fl. Ozs.	Pints	Quarts	Gallons
Milliliter (ml)	.001	.06102	—	.03382	—	—	—
Centiliter (cl)	.01	.61023	—	.33815	—	—	—
Deciliter (dl)	.1	6.1023	—	3.3815	.2113	.1057	—
Liter (l)	1	61.023	.0353	33.815	2.113	1.057	.264
Decaliter (dkl)	10	610.23	.3531	338.15	21.13	10.57	2.64
Hectoliter (hl)	100	6102.3	3.531	3381.5	211.3	105.7	26.4
Kiloliter (kl)	1000	61023	35.31	33815	2113	1057	264.

To convert

Cu. In. to Centiliter – multiply by 1.639
Centiliter to Cu. In. – multiply by .61023
Cu. Ft. to Liter – multiply by 28.32
Liter to Cu. Ft. – multiply by .0353
Fl. oz. to Centiliter – multiply by 2.957
Centiliter to Fl. Oz. – multiply by .33815
Pints to Liters – multiply by .4732
Liters to Pints – multiply by 2.113
Quarts to Liters – multiply by .9463
Liters to Quarts – multiply by 1.057
Gallons to Liters – multiply by 3.785
Liters to Gallons – multiply by .2642

FORCE/STRESS – Basic unit is pascal (Pa) commonly expressed in mega pascals (MPa).
Note – 1,000,000 Pa = 1 MPa

1 pascal = newton per square metre
1 pound force (lbf) = 4.448222 newton (N)
1 pound force per square foot (lbf/ft^2) = 47.88026 pascal (Pa)
1 kilogram force (kgf) = 9.806650 newton (N)
1 pound per square inch (psi) = .006894757 mega pascals (MPa)

To Convert

psi to MPa	multiply by	.006894757
ksi to MPa	multiply by	6.894757
MPa to psi	multiply by	145.0377
MPa to ksi	multiply by	.1450377
lbf/in^2 to MPa	multiply by	.006894757
MPa to lbf/in^2	multiply by	145.0377
kgf/mm^2 to MPa	multiply by	9.806650
MPa to kgf/mm^2	multiply by	.1019716
N/mm^2 to MPa	multiply by	1.000000
MPa to N/mm^2	multiply by	1.000000

PREFIXES

Micro – one millionth
Deca – 10 times
Myria – 10,000 times
Mega – 1,000,000 times

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WEIGHT FORMULAS

Steel weights are based on .2836 lbs. per cubic inch, aluminum on .0979 lbs. per cubic inch (1100 alloy). Use conversion factors to convert steel weights to other metals.

LBS. PER LINEAL FOOT

ROUNDS

Steel:
2.6729 x D^2
Aluminum:
.924 x D^2
D = Size, Inches

SQUARES

Steel:
3.4032 x D^2
Aluminum:
1.18 x D^2
D = Size, Inches

HEXAGONS

Steel:
2.9473 x D^2
Aluminum:
1.02 x D^2
D = Size, Inches

OCTAGONS

Steel:
2.8193 x D^2
Aluminum:
.974 x D^2
D = Size, Inches

FLATS

Steel:
3.4032 x T x W
Aluminum:
1.18 x T x W
T = Thickness, In.
W = Width, Inches

TUBING

Steel:
10.68x(OD-W)xW
Aluminum:
3.70x(OD-W)xW
OD = OD, Inches
W = Wall, Inches

CIRCLES

Steel:
.22274xTxD^2
Aluminum:
.077 x T x D^2
D = Diameter, In.
T = Thickness, In.

RINGS

Steel:
.22274xTx(OD^2-ID^2)
Aluminum:
.077xTx(OD^2-ID^2)
OD = OD, Inches
ID = ID, Inches
T = Thickness, In.

CONVERSION FACTORS

	Multiply Steel Weight by	Density Lbs/In.³
Aluminum		
1100	.3462	.098
2011	.3604	.102
2014	.3568	.101
2017	.3568	.101
2024	.3533	.100
3003	.3498	.099
5005	.3462	.098
5052	.3427	.097
5056	.3356	.095
5083	.3392	.096
5086	.3392	.096
6061	.3462	.098
6063	.3462	.098
7075	.3568	.101
7178	.3604	.102
Stainless		
300 Series	1.010	.286
400 Series	1.000	.283
Nickel		
200	1.132	.321
201	1.132	.321
400	1.125	.319
600	1.072	.304
625	1.075	.305
718	1.047	.297
X750	1.051	.298
800	1.012	.287
800H	1.012	.287
825	1.037	.294
904L	1.026	.291
Hastelloy®		
C-276	1.132	.321
B-2	1.174	.333
C-4	1.100	.312
G-3	1.058	.300
Magnesium	.229	.065
Beryllium	.236	.067
Titanium	.575	.163
Zirconium	.812	.230
Cast Iron	.911	.258
Zinc	.911	.258
Brass	1.084	.307
Columbium	1.095	.310
Copper	1.144	.324
Molybdenum	1.303	.369
Silver	1.339	.379
Lead	1.448	.410
Tantalum	2.120	.600
Tungsten	2.462	.697
Gold	2.466	.698

FRACTIONS/DECIMALS/MILLIMETERS

	DEC.	MIL.
1/64	.0156	.3969
1/32	.0313	.7938
3/64	.0469	1.1906
1/16	.0625	1.5875
5/64	.0781	1.9844
3/32	.0938	2.3813
7/64	.1094	2.7781
1/8	.125	3.1750
9/64	.1406	3.5719
5/32	.1563	3.9688
11/64	.1719	4.3656
3/16	.1875	4.7625
13/64	.2031	5.1594
7/32	.2188	5.5563
15/64	.2344	5.9531
1/4	.250	6.3500
17/64	.2656	6.7469
9/32	.2813	7.1438
19/64	.2969	7.5406
5/16	.3125	7.9375
21/64	.3281	8.3344
11/32	.3438	8.7313
23/64	.3594	9.1281
3/8	.375	9.5250
25/64	.3906	9.9219
13/32	.4063	10.3188
27/64	.4219	10.7156
7/16	.4375	11.1125
29/64	.4531	11.5094
15/32	.4688	11.9063
31/64	.4844	12.3031
1/2	.500	12.7000

	DEC.	MIL.
33/64	.5156	13.0969
17/32	.5313	13.4938
35/64	.5469	13.8906
9/16	.5625	14.2875
37/64	.5781	14.6844
19/32	.5938	15.0813
39/64	.6094	15.4781
5/8	.625	15.8750
41/64	.6406	16.2719
21/32	.6563	16.6688
43/64	.6719	17.0656
11/16	.6875	17.4625
45/64	.7031	17.8594
23/32	.7188	18.2563
47/64	.7344	18.6531
3/4	.750	19.0500
49/64	.7656	19.4469
25/32	.7813	19.8439
51/64	.7969	20.2406
13/16	.8125	20.6375
53/64	.8281	21.0344
27/32	.8438	21.4313
55/64	.8594	21.8281
7/8	.875	22.2250
57/64	.8906	22.6219
29/32	.9063	23.0188
59/64	.9219	23.4156
15/16	.9375	23.8125
61/64	.9531	24.2094
31/32	.9688	24.6063
63/64	.9844	25.0031
1	1.000	25.4000

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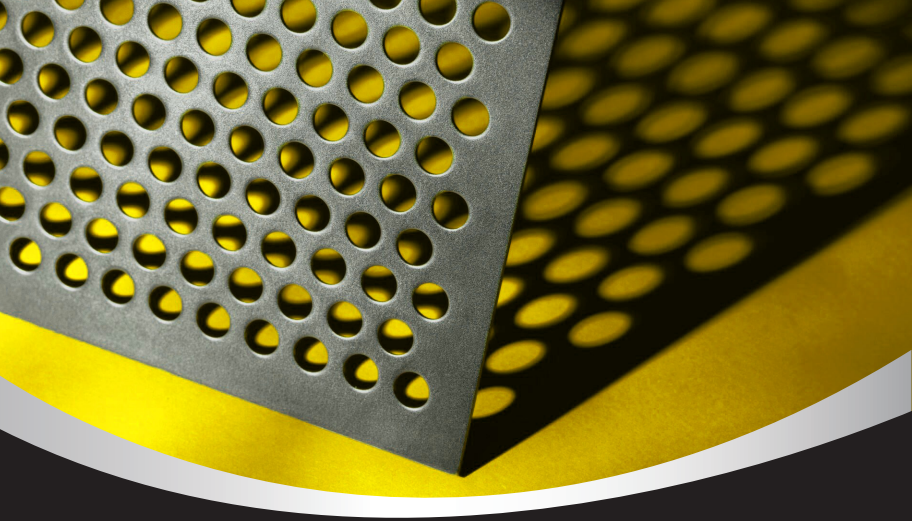
CONVERTING INCHES INTO DECIMALS OF A FOOT

Inches	Decimal of a Ft.	Inches	Decimal of a Ft.	Inches	Decimal of a Ft.
	1/16.....0052		1/16.....3385		1/16.....6719
	1/8.....0104		1/8.....3438		1/8.....6771
	3/16.....0156		3/16.....3490		3/16.....6823
	1/4.....0208		1/4.....3542		1/4.....6875
	5/16.....0260		5/16.....3594		5/16.....6927
	3/8.....0313		3/8.....3646		3/8.....6979
	7/16.....0365		7/16.....3698		7/16.....7031
0"	1/2.....0417	4" .3333	1/2.....3750	8" .6667	1/2.....7083
	9/16.....0469		9/16.....3802		9/16.....7135
	5/8.....0521		5/8.....3854		5/8.....7188
	11/16.....0573		11/16.....3906		11/16.....7240
	3/4.....0625		3/4.....3958		3/4.....7292
	13/16.....0677		13/16.....4010		13/16.....7344
	7/8.....0729		7/8.....4063		7/8.....7396
	15/16.....0781		15/16.....4115		15/16.....7448
	1/16.....0885		1/16.....4219		1/16.....7552
	1/8.....0938		1/8.....4271		1/8.....7604
	3/16.....0990		3/16.....4323		3/16.....7656
	1/4.....1042		1/4.....4375		1/4.....7708
	5/16.....1094		5/16.....4427		5/16.....7760
	3/8.....1146		3/8.....4479		3/8.....7813
	7/16.....1198		7/16.....4531		7/16.....7865
1" .0833	1/2.....1250	5" .4167	1/2.....4583	9" .7500	1/2.....7917
	9/16.....1302		9/16.....4635		9/16.....7969
	5/8.....1354		5/8.....4688		5/8.....8021
	11/16.....1406		11/16.....4740		11/16.....8073
	3/4.....1458		3/4.....4792		3/4.....8125
	13/16.....1510		13/16.....4844		13/16.....8177
	7/8.....1563		7/8.....4896		7/8.....8229
	15/16.....1615		15/16.....4948		15/16.....8281
	1/16.....1719		1/16.....5052		1/16.....8385
	1/8.....1771		1/8.....5104		1/8.....8438
	3/16.....1823		3/16.....5156		3/16.....8490
	1/4.....1875		1/4.....5208		1/4.....8542
	5/16.....1927		5/16.....5260		5/16.....8594
	3/8.....1979		3/8.....5313		3/8.....8646
	7/16.....2031		7/16.....5365		7/16.....8698
2" .1667	1/2.....2083	6" .5000	1/2.....5417	10" .8333	1/2.....8750
	9/16.....2135		9/16.....5469		9/16.....8802
	5/8.....2188		5/8.....5521		5/8.....8854
	11/16.....2240		11/16.....5573		11/16.....8906
	3/4.....2292		3/4.....5625		3/4.....8958
	13/16.....2344		13/16.....5677		13/16.....9010
	7/8.....2396		7/8.....5729		7/8.....9063
	15/16.....2448		15/16.....5781		15/16.....9115
	1/16.....2552		1/16.....5885		1/16.....9219
	1/8.....2604		1/8.....5938		1/8.....9271
	3/16.....2656		3/16.....5990		3/16.....9323
	1/4.....2708		1/4.....6042		1/4.....9375
	5/16.....2760		5/16.....6094		5/16.....9427
	3/8.....2813		3/8.....6146		3/8.....9479
	7/16.....2865		7/16.....6198		7/16.....9531
3" .2500	1/2.....2917	7" .5833	1/2.....6250	11" .9167	1/2.....9583
	9/16.....2969		9/16.....6302		9/16.....9635
	5/8.....3021		5/8.....6354		5/8.....9688
	11/16.....3073		11/16.....6406		11/16.....9740
	3/4.....3125		3/4.....6458		3/4.....9792
	13/16.....3177		13/16.....6510		13/16.....9844
	7/8.....3229		7/8.....6563		7/8.....9896
	15/16.....3281		15/16.....6615		15/16.....9948



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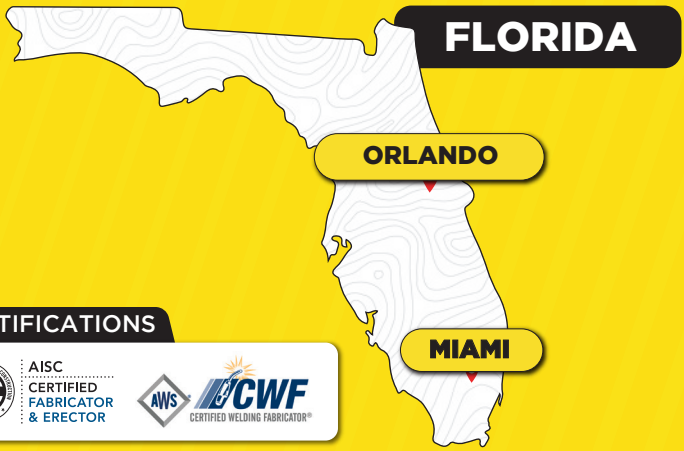

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